Ephemerides. K.

Ὠλύμπια Δώματα.

OR, AN

ALMANACK

For the YEAR of

OUR LORD GOD, 1740.

Being the Biſſextile, or Leap-Year.

And from the World's Creation, 5744.

Wherein is contained the Lunations, Conjunctions, Aſpects, and Effects of the Planets; the Increaſe, Decreaſe, and Length of the Days and Nights; with the Riſing, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all times, when either the Moon or Stars are ſeen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough-Town of *Stamford* (formerly a famous Univerſity) whoſe Latitude is 52 deg. 40 min. fitting all the middle Counties of *ENGLAND*, and without ſenſible Error the whole Kingdom.

Non eſt è Terris mollis ad Aſtra Via.

By TYCHO WING, *Philomath.*

Imprimatur F. A.

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Common Notes for this present Year 1740.

English or Old Account		Foreign or New Account
12	Golden Number	12
13	The Cycle of the Sun	13
12	The Epacts	1
F E	Dominical Letters	C B
16	Number of Direction	20
3	Roman Indiction	3

A TABLE of Terms and their Returns.

Hilary-Term begins *Jan.* 23, ends *Feb.* 12.

Returns or Eſſoign-days.		Exc.	Ret.	Ap.	W. da.
In eight days of St. *Hilary*,	*Jan.* 20	21	22	23	Wedn.
From the day of St. *Hilary* in 15 days,	27	28	29	30	Wedn.
On the morrow of Purif. of the b. *Mary*,	*Feb.* 3	4	5	6	Wedn.
In 8 days of the Purif. of the bleſſ. *Mary*,	9	11	11	12	Tueſd.

Eaſter-Term begins *April* 23, ends *May* 19.

From the day of Eaſter in 15 days,	*April* 20	21	22	23	Wedn.
From the day of Eaſter in 3 weeks,	27	28	29	30	Wedn.
From the day of Eaſter in one month,	*May* 4	5	6	7	Wedn.
From the day of Eaſter in five Weeks,	11	12	13	14	Wedn.
On the morrow of the Aſcenſion,	16	17	17	19	Mond.

Trinity-Term begins *June* 6, ends *June* 25.

On the morrow of the holy Trinity,	*June* 2	3	4	6	Friday
In eight days of the holy Trinity,	8	9	10	11	Wedn.
From the day of the H. Trin. in 15 days,	15	16	17	18	Wedn.
From the day of the holy Trinity in 3 weeks,	22	23	24	25	Wedn.

Michaelmas-Term begins *October* 23, ends *Nov.* 28.

From the day of St. *Mich.* in 3 weeks,	*Oct.* 20	21	22	23	Thurſ.
From the day of St. *Michael* in 1 month,	27	28	29	30	Thurſ.
On the morrow of All-Souls,	*Nov.* 3	4	5	6	Thurſ.
On the morrow of St. *Martin*,	12	13	14	15	Satur.
In eight days of St. *Martin*,	18	19	20	21	Friday
From the day of St. *Martin* in 15 days,	25	26	27	28	Friday

N. B. No Sittings in *Weſtminſter-Hall* on Aſcenſion-day, Midſummer-day, the 1ſt and 2d of *November*, and the 2d of *February*.

The *Exchequer* opens eight Days before any Term except Trinity, before which it opens but four Days.

Note, That the firſt and laſt Days of every Term are the firſt and laſt Days of Appearance.

WING, 1740.

The Regal Table.

he Year, Month and Day, hen each King and Queen gan to Reign, accounting e Year to begin *Jan.* 1.		Length of each Reign, accountin. 28 D. a Month.			Number of Years expired ſince they began to Reign.	
ings Names	began to reign	Y.	M.	D	Beg	Kings Names
Villiam I.	1066 Oct. 14	20	11	22	674	William 1
Villiam II.	1087 Sept. 9	12	11	18	653	William 2
Henry I.	1100 Aug. 1	35	4	12	640	Henry 1
Stephen	1135 Dec. 2	18	11	19	605	Stephen
Henry II.	1154 Oct. 25	34	9	2	586	Henry 2
Richard I.	1189 July 6	9	9	22	551	Richard 1
John	1199 April 6	17	7	1	541	John
Henry III.	1216 Oct. 19	56	1	1	524	Henry 3
Edward I.	1272 Nov. 16	34	8	9	468	Edward 1
Edward II.	1307 July 7	19	7	6	433	Edward 2
Edward III.	1327 Jan. 25	50	5	7	413	Edward 3
Richard II.	1377 June 21	22	3	16	363	Richard 2
Henry IV.	1399 Sept. 29	13	6	4	341	Henry 4
Henry V.	1413 Mar. 20	9	5	24	327	Henry 5
Henry VI.	1422 Aug. 31	38	0	17	318	Henry 6
Edward IV.	1461 Mar. 4	22	1	8	279	Edward 4
Edward V.	1483 Apr. 9	0	2	18	257	Edward 5
Richard III.	1483 June 22	2	2	5	257	Richard 3
Henry VII.	1485 Aug. 22	23	8	19	255	Henry 7
Henry VIII.	1509 April 22	37	10	1	231	Henry 8
Edward VI.	1547 Jan. 28	6	5	19	193	Edward 6
Q. Mary I.	1553 July 6	5	4	22	185	Q. Mary 1
Elizabeth	1558 Nov. 17	44	4	15	182	Elizabeth
James I.	1603 Mar. 24	22	0	3	137	K. James 1
Charles I.	1625 Mar. 27	23	11	1	115	Charles 1
Charles II.	1649 Jan. 30	36	0	7	91	Charles 2
James II.	1685 Feb. 6	4	0	17	55	James 2
Will. 3. & M.	1689 Feb. 13	13	0	14	51	William 3
Q. Anne	1702 Mar. 8	12	5	6	38	Q. Anne
George I.	1714 Aug. 1	12	11	6	26	K. George 1
George II.	1727 June 11	Whom God grant long to reign				

A Table of Simple Intereſt at 5 *per Cent.*

Principal.	A Week.			One Month.			Two Months.			Three Months.			Six Months.			Nine Months.			A Year.		
	s.	d.	q.	s.	d.	q.	s.	d.	q.	s.	d.	q.	s.	d.	q.	s.	d.	q.	s.	d.	
Shillings 5	0	0	0	0	0	1	0	0	2	0	0	3	0	1	2	0	2	1	0	3	
10	0	0	0	0	0	2	0	1	0	0	1	2	0	3	0	0	4	2	0	6	
15	0	0	0	0	0	3	0	1	2	0	2	1	0	4	2	0	6	3	0	9	
Pounds 1	0	0	1	0	1	0	0	2	0	0	3	0	0	6	0	0	9	0	1	0	
2	0	0	2	0	2	0	0	4	0	0	6	0	1	0	0	1	6	0	2	0	
3	0	0	3	0	3	0	0	6	0	0	9	0	1	6	0	2	3	0	3	0	
4	0	1	0	0	4	0	0	8	0	1	0	0	2	0	0	3	0	0	4	0	
5	0	1	1	0	5	0	0	10	0	1	3	0	2	6	0	3	9	0	5	0	
6	0	1	2	0	6	0	1	0	0	1	6	0	3	0	0	4	6	0	6	0	
7	0	1	3	0	7	0	1	2	0	1	9	0	3	6	0	5	3	0	7	0	
8	0	2	0	0	8	0	1	4	0	2	0	0	4	0	0	6	0	0	8	0	
9	0	2	1	0	9	0	1	6	0	2	3	0	4	6	0	6	9	0	9	0	
	s.	d.	q.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.
Tens of Pounds 10	0	2	2	0	0	10	0	1	8	0	2	6	0	5	0	0	7	6	0	10	
20	0	5	0	0	1	8	0	3	4	0	5	0	0	10	0	0	15	0	1	0	
30	0	7	2	0	2	6	0	5	0	0	7	6	0	15	0	1	2	6	1	10	
40	0	10	0	0	3	4	0	6	8	0	10	0	1	0	0	1	10	0	2	0	
50	1	0	2	0	4	2	0	8	4	0	12	6	1	5	0	1	17	6	2	10	
60	1	3	0	0	5	0	0	10	0	0	15	0	1	10	0	2	5	0	3	0	
70	1	5	2	0	5	10	0	11	8	0	17	6	1	15	0	2	12	6	3	10	
80	1	7	0	0	6	8	0	13	4	1	0	0	2	0	0	3	0	0	4	0	
90	1	9	2	0	7	6	0	15	0	1	2	6	2	5	0	3	7	6	4	10	
Hundreds of Pounds 100	2	1	0	0	8	4	0	16	8	1	5	0	2	10	0	3	15	0	5	0	
200	4	2	0	0	16	8	1	13	4	2	10	0	5	0	0	7	10	0	10	0	
300	6	3	0	1	5	0	2	10	0	3	15	0	7	10	0	11	5	0	15	0	
400	8	4	0	1	13	4	3	6	8	5	0	0	10	0	0	15	0	0	20	0	
500	10	5	0	2	1	8	4	3	4	6	5	0	12	10	0	18	15	0	25	0	
600	12	6	0	2	10	0	5	0	0	7	10	0	15	0	0	22	10	0	30	0	
700	14	7	0	2	18	4	5	16	8	8	15	0	17	10	0	26	5	0	35	0	
800	16	8	0	3	6	8	6	13	4	10	0	0	20	0	0	30	0	0	40	0	
900	18	9	0	3	15	0	7	10	0	11	5	0	22	10	0	33	15	0	45	0	
1000	20	10	0	4	3	4	8	6	8	12	10	0	25	0	0	37	10	0	50	0	

This Table ſhews the Intereſt of any Sum of Money from 1 Pound to 1000, from a ſingle Week to a Year; and by the Help of Addition you may compute the Intereſt of any Sum whatſoever, by entering under the Word Pounds with your Sum given, and in the Head of your Table for the Time, and in the Angle of meeting, you have your Deſire.

EXAMPLE.

Intereſt of 30 l. { for 1 Year 1 10 0 / for 3 Months 0 7 6 / for 1 Week 0 0 7½ } viz. 1 l. 18 s. 1 d ½

e Uſe of the following TABLE *of the Moon's Southing, to find the Time of High-Water and Hour of the Night.*

I. To find the Time of High-Water in moſt Ports of ENGLAND.

Take the Time of the Moon's Southing for the Day propoſed, and to that add the Hours and Minutes which ſtand ainſt the Place required in the following Table of Sea-oaſts, and the Sum will be the Time of High-Water at the ace required on that Day.

A TABLE of the Sea-Coaſts.	H.	M.
rtſmouth, Quinborough, Southampton,	0	00
cheſter, Winchelſea, Fluſhing,	0	45
wns, Graveſend, Ramkins, Guernſey,	1	30
nbeigh, Bell-Iſle, Holy-Iſle, Downs-Road,	2	15
ndon, Tinmouth, Whitby, Hartlepool,	3	00
rborough, Berwick, Fluſhings, Staples,	3	45
amborough, Humber, Bridlington-Bay,	4	30
ymouth, Ramſey, Newcaſtle, Severn,	5	15
nn, Foſdyke, Hull, Weymouth, Dartmouth,	6	00
ſton, Start-Point, Faulneſs, Briſtol-Key,	6	45
idgewater, Milford-Haven, Lizard, Wintertown,	7	30
rmouth, Iſle of White, the Needles,	8	15
e of Man, Orkney, Pool, South-Foreland,	9	10
ver, Harwich, Orfordneſs, Bullein,	10	10
e, Solebay, Margate-Road,	11	15

II. To find the Hour of the Night by the Shadow of the Moon on a Sun-Dial.

1. When the Shadow falls preciſely on the Hour 12, then e Time of the Moon's Southing, found in the preceding able, is the exact Time of Night. But in other Caſes,

2. If the Shadow wants of 12, ſee how much it wants of ; which Time ſubſtracted from that of the Moon's Sonthing, aves the Time of Night. *Note*, You muſt add 12 Hours the Moon's Southing, if need be.

3. If the Shadow has paſt 12, add the Time that it has aſt it to the Time of the Moon's Southing, the Sum will be e Time of Night required, abating 12 Hours from that um, if need be.

WING 1740.

A TABLE ſhewing the Hour and Minute of the Moon coming to the South of excellent Uſe in finding the Times of High-Water and Hour of the Night.

Days.	Jan. H.	M.	Feb. H.	M.	March H.	M.	April H.	M.	May H.	M.	June H.	M.	Days.
1	11	A15	12	13	11	46	Morn.		Morn.		1	M59	1
2	12	3	Morn.		Morn.		0	48	1	18	3	0	2
3	Morn.		1	0	0	29	1	37	2	15	3	59	3
4	0	50	1	44	1	13	2	27	3	14	4	54	4
5	1	37	2	26	1	58	3	22	4	13	5	46	5
6	2	22	3	9	2	44	4	18	5	12	6	36	6
7	3	5	3	54	3	32	5	17	6	8	7	25	7
8	3	48	4	40	4	23	6	15	7	2	8	12	8
9	4	31	5	29	5	18	7	13	7	53	9	0	9
10	5	14	6	22	6	15	8	10	8	43	9	48	10
11	5	59	7	18	7	14	9	4	9	31	10	39	11
12	6	47	8	18	8	14	9	56	10	20	11	30	12
13	7	39	9	19	9	13	10	46	11	9	12	20	13
14	8	34	10	21	10	11	11	37	12	0	1	A12	14
15	9	33	11	21	11	6	0	A27	0	A51	2	1	15
16	10	36	0	A19	11	58	1	18	1	43	2	48	16
17	11	40	1	14	0	A51	2	9	2	34	3	34	17
18	0	A42	2	6	1	41	3	1	3	24	4	17	18
19	1	41	2	56	2	32	3	52	4	13	5	0	19
20	2	35	3	46	3	23	4	43	4	59	5	42	20
21	3	27	4	35	4	13	5	32	5	44	6	24	21
22	4	17	5	24	5	4	6	20	6	27	7	7	22
23	5	4	6	14	5	55	7	6	7	9	7	53	23
24	5	52	7	4	6	44	7	50	7	52	8	43	24
25	6	40	7	53	7	33	8	34	8	36	9	37	25
26	7	28	8	42	8	20	9	17	9	21	10	35	26
27	8	16	9	30	9	5	10	1	10	10	11	36	27
28	9	5	10	16	9	50	10	46	11	2	M	rn.	28
29	9	54	11	1	10	34	11	33	11	59	0	37	29
30	10	42			11	18	12	24	0	M58	1	40	30
31	11	29			12	2			1	59			31

Note, The Moon, or any Star is ſaid to be South, or upon the Meridian, when they appear in that Quarter of the Firmament in which the Sun is at Noon every Day at Noon, which for the ☽ this Table will direct you, and ſo

WING 1740.

TABLE shewing the Hour and Minute of the Moon's coming to the South, of excellent Use in finding the Times of High-Water and Hour of the Night.

	July		Aug.		Sept.		Octob.		Nov.		Dec.		Days.
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	
1	2M	39	4M	0	5M	22	5M	59	7M	6	6M	57	1
2	3	35	4	50	6	14	6	45	7	48	7	38	2
3	4	27	5	40	7	5	7	38	8	31	8	20	3
4	5	17	6	30	7	57	8	25	9	12	9	4	4
5	6	5	7	20	8	46	9	9	9	54	9	50	5
6	6	53	8	11	9	34	9	52	10	37	10	39	6
7	7	42	9	2	10	20	10	34	11	23	11	35	7
8	8	31	9	52	11	4	11	17	12	9	0A	32	8
9	9	21	10	41	11	47	11	59	1A	3	1	32	9
10	10	12	11	28	0A	29	0A	43	1	58	2	31	10
11	11	3	12	13	1	11	1	30	2	56	3	29	11
12	11	52	0A	57	1	54	2	19	3	54	4	24	12
13	0A	41	1	39	2	39	3	12	4	51	5	16	13
14	1	27	2	21	3	26	4	7	5	47	6	5	14
15	2	10	3	3	4	16	5	4	6	40	6	54	15
16	2	54	3	46	5	9	6	2	7	31	7	42	16
17	3	36	4	32	6	6	6	59	8	21	8	32	17
18	4	18	5	20	7	4	7	55	9	10	9	22	18
19	5	0	6	12	8	4	8	49	10	0	10	14	19
20	5	45	7	7	9	2	9	41	10	51	11	7	20
21	6	31	8	6	10	0	10	33	11	44	Morn.		21
22	7	22	9	7	10	55	11	24	Morn.		0	2	22
23	8	17	10	9	11	49	Morn.		0	37	0	53	23
24	9	16	11	9	Morn.		0	16	1	31	1	43	24
25	10	17	12	7	0	42	1	10	2	24	2	30	25
26	11	20	Morn.		1	35	2	4	3	16	3	15	26
27	Morn.		1	2	2	27	2	58	4	4	3	58	27
28	0	22	1	56	3	20	3	51	4	50	4	38	28
29	1	20	2	48	4	14	4	43	5	34	5	20	29
30	2	17	3	39	5	7	5	33	6	16	6	1	30
31	3	10	4	31			6	21			6	43	31

the most noted *'s, you have their Times of Southing in the several Months following; by observing of which, the Hour of the Night may be as readily found, as the Hour of the Day is, by observing the Distance of the Sun from the South.

January hath XXXI Days.

Full Moon Wedneſday the 2d Day at 10h. 38m. at Nig
Laſt Quarter Friday the 11th Day 16m. before 1 in the Mo
New Moon Thurſday the 17th Day at 8h. 9m. at Nigh
First Quarter Thurſday the 24th Day at 3h. 5m. Afterno

M D	W D	Holy Days, Terms, &c.	Moon ſets	Aſpects and Weather.	☉ ♈ ☽ ♋ ☽ ♎
1	t	Circumciſion	6m41	☌ ☉ ♄ Dark,	21 73 6♋0 1.6
2	w	Sun riſe 8 4	☽ riſes	cold rain.	22 75 17 9 0.5
3	t	Sun ſet 3 56	4a39	☽ Apogeon	23 77 29 8 0.6
4	f	Cl. faſt 10m.	5 36	Froſty air	24 79 11♌6 .6
5	s	Day br. 5 52	6 39	△ ☉ ♅ ♂ ♂ ☿	25 81 23 4 2.6
6	S	Epiphany	7 46	Cloudy and	26 83 5♍3 3.5
7	m	Plow Mond.	8 52	obſcure air,	27 85 17 2 4.3
8	t	Lucian	10 0	inclin'd to	28 87 29 4 4.9
9	w	Sun riſe 7 53	11 3	froſt and	29 89 11♎8 5.2
10	t	Sun ſet 4 7	Morn.	ſmall flights	♏ 90 24 3 5.3
11	f		0 17	of ſnow.	1 92 7♍3 5.1
12	s	Cl. faſt 13m.	1 32	cold and cloudy.	2 94 20 0 4.7
13	S	S. af. Epip.	3 48	Hilary B.	3 95 4♐4 4.0
14	m	Day br. 5 42	4 6	Lofty winds	4 96 18 5 3 0
15	t		5 19	□ ♅ ♀ and	5 98 3♑1 1.8
16	w	Sun riſe 7 42	6 22	tempeſtuous	6 99 18 0 0.5
17	t	Sun ſet 4 18	☽ ſets	☽ Perigeon	8 1 3♏20 9
18	f		5a27	weather.	9 3 18 4 2.2
19	s	Cl. faſt 14m.	6 50	☌ ♄ ♂	10 5 3♐5 3.4
20	S	S. af. Epip.	8 15	Pr. Wales born	11 7 18 3 4.3
21	m	St. Agnes	9 30	Sharp froſt	12 8 2♑8 4.9
22	t	Day inc. 1 30	10 47	and cloudy.	13 9 16 8 5.2
23	w	Term. begins	12 4	☌ ♄ ☿	14 10 0♒4 5.2
24	t	Sun riſe 7 30	Morn.	Could winds	15 11 13 6 4 9
25	f	Conv. S. Paul.	1 15	and ſtormy	16 12 26 4 4 4
26	s	Sun ſet 4 34	2 23	weather.	17 13 8♓8 3.7
27	S	S. af. Epip.	3 28	More clear	18 15 21 0 2.8
28	m	Sun riſe 7 20	4 29	and ſettled.	19 16 3♋0 1.8
29	t	Sun ſet 4 40	5 25	△ ♅ ♂ △ ♅ ☿	20 17 14 9 0.7
30	w	☧ Cl. Mart.	6 10	♂ ♂ ☿ Windy.	21 18 26 7 0.3
31	t	Cl. faſt 15m	6 50	☽ Apogeon.	22 19 8♌5 1.4

The Moon is with
- Saturn 2d day at 4 in the even.
- Mercury 16 day at 1 in the morn.
- Mars 16 day at 10 in the morn.
- Venus 19 day at 7 in the morn.
- Jupiter 25 day at 1 afternoon.
- Saturn 29 day at 9 at night.

☽	♄ ♑	♃ ♉	♂ ♋	☿ ♑
1	21	27	2	♑
6	21	27	2	♑
11	20	27	22	
16	19	27	22	
21	19	27	22	
26	19	27	22	

☽	☊ ♎	☌ ♍	☿ ♒	☿ ♍
1	12	5	9	12
2	13	6	10	11
3	14	7	11	10
4	15	8	13	10
5	16	8	14	10
C		9	15	9
7	18	10	16	9
8	19	11	18	9
9	20	11	19	D
10	21	12	20	9
11	22	13	21	9
12	23	14	23	9
C		14	24	10
14	25	15	25	11
15	26	16	26	11
16	27	17	28	12
17	28	17	29	13
18	29	18	♓	14
19	30	19	1	15
C		20	2	17
21	1 Febr.			17
22	2	21	5	18
23	3	22	6	19
24	4	23	8	20
25	5	24	9	21
26	6	24	10	22
C		25	11	24
28	8	26	13	25
29	9	27	14	26
30	10	27	15	27
31	11	28	16	29

Obſervations.

Aldeba an South at 9 at night.

The 2d day, at 4 in the evening, Saturn may be ſeen 43 min. above the Moon's upper limb, and at 9 the ſame even the ☽ is eclipſed.

Day 8 hours long, increaſed 36 minutes.

Days	Saturn South	Saturn ſets	Jupiter South	Jupiter ſets	Mars riſes	Mars South	Venus ſets
1	11 a 54	7 m 56	8 a 4	3 m 46	7 m 1	10 m 45	5 a 31
11	11 8	7 11	7 20	3 3	6 48	10 40	5 54
21	10 23	6 29	6 40	2 27	6 31	10 30	6 32

Bright Sirius South at 10 at night.

Cambridge Term begins

Day 8 h. 30 m. long, increaſed 1 h. 6 m.

The Sun eclipſed inviſible.

The Pole Star and Aliath upon the Meridian about Sun-ſetting.

The 20th day Mercury, at his greateſt Elongation. riſes 1 h. 15 m. before the Sun.

And are the Stars for Signs? ſure then they be
Significant of ſome Futurity.

Day 9 hours long, increaſed 1 h. 36 m.

Saturn oppos'd by Mars bad Air creates,
And great Diſturbance to ſome Northern States.

Latitude of	♄	♃	♂	♀	☿
Days 1	0 S 1	0 S 8	0 S 7	1 S 5	3 N 4
11	0 0	0 8	0 8	1 5	2 4
21	0 0	0 7	0 9	1 5	0 7

February hath XXIX Days.

● Full Moon Friday the 1st Day at 6h. 19m. at Night.
☾ Last Quarter Saturday the 9th Day at 2h. 18m. Afternoon
● New Moon Saturday the 16th Day at 6h. 25m. Morning
☽ First Quarter Saturday the 23d Day at 7h. 19m. Morning

M D	W D	Holy Days, Terms, &c.	Moon rises	Aspects and Weather.	☉ ♒	☽ ☊	☽ Lat
					° ′	° ′	° ′
1	f	Sum rise 7 15	aftern.	△ ♄ ♀ Cold	23 20	20 3	2.4N
2	s	Purif. V. M.	5 36	rain, with snow	24 21	3 ♍ 2	3.3
3	S	Septuagesima	6 43	or sleet, and	25 22	14 2	4.1
4	m	Blase B.	7 50	lofty winds.	26 23	26 3	4.6
5	t	Sun rise 7 7	8 57	□ ☉ ♅ Cloudy	27 24	8 ♎ 6	5.0
6	w	Sun set 4 55	10 4	and unsettled	28 24	21 1	5.2
7	t	Cl. fast 15m.	11 17	weather.	29 25	3 ♏ 8	5.1
8	f		Morn.		♓ 26	16 8	4.7
9	s	Day br. 5 0	0 31	✱ ♅ ♀ Sharp,	1 26	0 ♐ 0	4.1
10	S	Sexagesima	1 46	frosty air,	2 26	13 6	3.3
11	m	Sun rise 6 55	3 1	with snow or	3 27	27 5	2.2
12	t	Term ends	4 12	sleet.	4 27	11 ♑ 8	1.0
13	w	Sun set 5 7	5 0		5 28	26 5	0.3S
14	t	Valentine	6 0	☽ Perigeon	6 28	11 ♒ 3	1.7
15	f	Cl. fast 13m.	6 30	Cold rain or	7 29	26 4	2.9
16	s		☽ sets	snow, and	8 29	11 ♓ 6	3.9
17	S	Quinquages.	7a 2	tempestuous	9 29	26 5	4.6
18	m	Day br. 4 40	8 20	weather.	10 29	11 ♈ 1	5.0
19	t	Shrove Tues.	9 48	□ ♅ ♀ Frosty	11 29	25 3	5.1
20	w	Ash Wednes.	11 0	air and some	12 29	9 ♉ 0	4.9
21	t	Sun rise 6 35	Morn.	what turbulent.	13 29	22 3	4.4
22	f	Pr. Mary bo.	0 18	Frost and	14 29	5 ♊ 1	3.7
23	s	Sun set 5 30	1 24	clearing winds	15 29	17 5	2.9
24	S	1 S. in Lent	2 28	St. Matthias	16 29	29 7	1.9
25	m		3 25	△ ☉ ♄ □ ♄ ♀	17 29	11 ♋ 8	0.9
26	t	Cl. fast 11m.	4 14	✱ ♂ ♀ overcast	18 29	23 5	0.1N
27	w	Ember Week	4 51	☽ Apogeon	19 29	5 ♌ 3	1.2
28	t	Sun rise 6 23	5 25	Drisling rain	20 29	17 1	2.2
29	f	Sun set 5 40	5 59	and cloudy.	21 28	28 0	3.1

Jupiter may be seen in the Evening till May the 28th, from thence in the Morning till December the 16th.

☽ ♑	♃ ♉	♌ ♋
9	27	21
8	28	21
8	28	21
8	29	21
18	29	20
18	♊	20

The Moon is with
- Mars 14 day at 9 in the morn.
- Mercury 15 day at 3 in the morn.
- Venus 18 day at 11 in the morn.
- Jupiter 22 day at 1 in the morn.
- Saturn 26 day at 1 in the morn.

♑	♂ ♍	☿ ♓	♀ ♒	
12	29	18	1	
13	♒	19	2	
☾	0	20	3	
15	1	21	4	
16	2	22	6	
17	3	24	7	
18	4	26	9	
19	4	26	10	
20	5	27	12	
☾	6	29	13	
22	7	♈	15	
23	7	1	16	
24	8	2	18	
25	9	4	19	
26	10	5	21	
27	11	6	23	
☽	11	7	24	
29	12	8	26	
1	Mar.		28	
2	14	11	29	
3	15	12	♓	
4	15	13	3	
5	16	15	5	
☽	17	16	6	
7	18	17	8	
8	18	18	10	
9	19	20	12	
10	20	21	14	
11	21	22	15	

Observations.

Day 9 h. 30 m. long, increased 2 h. 6 m.

Days	Saturn South	Saturn sets	Jupiter South	Jupiter sets	Mars rises	Mars South	Venus sets
1	9a38	5m43	5a58	1m43	6m14	10m21	7 a 9
11	8 55	5 0	5 23	1 9	5 56	10 15	7 38
	8 17	4 22	4 49	0 37	5 35	10 9	8 8

Day 10 hours long, increased 2 h. 36 m.

'Tis God directs the Motions of the Stars,
As he permits, so have we Peace or Wars;
'Tis God sets bound to Fate, prescribes a Law,
To which his Creatures all must stand in Awe;
'Tis he curbs lofty Princes, makes them know,
His Hand above it is governs below.

Day 10 h. 30 m. long, increased 3 h. 6 m.

The multitude is ever rude and unreasonable, and sedition is commonly the work of mean varlets.

Bright Sirius South 30 m. aft. 7 at night.
Day 11 hours long, increased 3 h. 36 m.

Latitude of	♄	♃	♂	♀	☿
Days 1	0 S 0	0 S 7	0 S 9	1 S 3	0 S 9
11	north	0 6	1 0	1 0	1 8
21	0 0	0 6	1 1	0 6	2 2

Bright Venus is an Evening Star till August the 10th; from thence a Morning Star to the End of the Year.

March hath XXXI Days.

Full Moon Sunday the 2d Day 14m. past Noon.
Last Quarter Sunday the 9th Day at Midnight.
New Moon Sunday the 16th Day at 4h. 21m. Afternoon.
First Quarter Monday the 24th Day at 50m. past 1 Morn.

M D	W D	Holy Days, Terms, &c.	☽ sets h. m.	Aspects and Weather.	☉ ♓ ☽	☽ ♑ ☽ Lat.
1	s	David	6m19	△ ♄ ☿ Cold	22 28	11 ♑ 0 3.9N
2	S	2 S. in Lent	☽ rises	rain or snow,	23 27	23 2 4.5
3	m	Sun rise 6 15	7a 0	and ruffling	24 27	5 ♌ 5 4.9
4	t	Sun set 5 47	8 6	winds.	25 26	18 0 5 0
5	w	Day inc. 4 20	9 19	Raw, wet	26 26	0 ♏ 8 5.0
6	t		10 29	☌ ☉ ☿ and	27 25	13 7 4.7
7	f		11 43	windy wea-	28 24	26 8 4.1
8	s	Cl. fast 8m.	Morn.	✶ ♆ ☿ ther.	29 23	10 ♐ 2 3.3
9	S	3 S. in Lent	0 57	Clear, sharp,	♈ 22	23 8 2.3
10	m	Sun rise 6 0	2 4	frosty air.	1 21	7 ♒ 6 1.1
11	t	Sun set 6 2	3 7	✶ ☉ ♆	2 20	21 7 0.1 S.
12	w	Gregory	4 0	☽ Perigeon	3 19	6 ♓ 0 1.3
13	t	Day br. 3 53	4 42	Frost, with	4 17	20 5 2.5
14	f	Pr. Edw. born	5 16	snow or	5 16	5 ♈ 3 3.6
15	s	Day inc. 5h.	5 45	□ ♆ ☌ fleet.	6 15	20 0 4.3
16	S	Midlent Sun.	☽ sets	□ ♄ ☿ Cold	7 14	4 ♉ 7 4.9
17	m	St. Patrick	7a29	rain and	8 13	19 2 5.0
18	t		8 47	temp fluous	9 11	3 ♊ 3 4.9
19	w	Joseph	10 1	weather.	10 9	17 1 4.5
20	t	Sun rise 5 38	11 16		11 8	0 ♋ 3 3.7
21	f	Sun set 6 24	Morn.	Now more	12 6	13 2 3.0
22	s	Cl. fast 4m.	0 21	✶ ♄ ☿ calm,	13 4	25 7 2.0
23	S	4 S. in Lent	1 24	serene and	14 3	7 ♌ 9 1.0
24	m		2 16	friendly.	15 1	19 8 0.1N.
25	t	Lady-Day	3 0		15 99	1 ♎ 7 1.1
26	w	Day inc. 5 45	3 41	☽ Apogeon	16 97	13 5 2.1
27	t	Sun rise 5 24	4 9	□ ☉ ♄ Cold,	17 95	25 4 3.0
28	f	Sun set 6 38	4 32	dark and	18 93	7 ♍ 3 3.8
29	s		4 54	gloomy state	19 91	19 5 4.4
30	S	Palm Sunday	5 14	of air, with	20 89	1 ♏ 8 4.8
31	m	Day br. 3 6	5 36	some showers.	21 87	14 4 5.0

♄ ♑	♃ ♊	☌ ♑
17	0	20
17	1	20
17	2	19
17	3	19
17	4	19
18	5	18

The Moon is with
Mars 14 day at 7 in the morn.
Mercury 17 day at 11 in the morn.
Venus 19 day at 7 in the morn.
Jupiter 20 day at 6 in the even.
Saturn 24 day at 8 in the morn.

☉ ♓	♂ ♍	☿ ♈	♀ ♓
12	21	23	17
B	22	24	19
14	23	26	21
15	24	27	23
16	25	28	25
17	25	29	27
18	26	♉	29
19	27	2	♈
B	28	3	3
21	28	4	5
22	29	5	7
23	♓	6	9
24	1	8	11
25	2	9	13
26	2	10	15
B		11	17
28	4	12	19
29	5	14	21
30	5	15	23
31	6	16	25
1	Apr.	1	27
2	8	18	29
B	9	20	♉
4	9	21	2
5	10	22	4
6	11	23	5
7	12	24	7
8	12	25	8
9	13	26	9
B	14	27	10
11	15	29	11

Observations.

Day 11 h. 30 m. long, increaſed 4 h. 6 m.

Days	Saturn South	Saturn ſets	Jupiter South	Jupiter ſets	Mars riſes	Mars South	Venus ſets
1	7a43	3m52	4a21	om13	5m20	10m 4	8a41
11	7 5	3 16	3 52	11a47	5 0	9 59	9 26
21	6 30	2 42	3 23	11 22	4 39	9 52	9 28

Day 12 hours long, increaſed 4 h. 36 m.

Bold Mars to Jove, and Chronus to the Sun,
Darts Quartile Rays; and active Mercury
Inſtills bad Council; ſomething now is done,
But for the what? expect it not from me.
——Affairs of Church and State
Beſt ſuit the learn'd Divine and Magiſtrate.

Day 12 h. 30 m. long, increaſed 5 h. 6 m.
Procion South at 7 at night.
Cor Leonis South 9 h. 15 m. at night.

The Pole Star and Aliath upon the Meridian at 11 h. 56 m. at night.

Day 13 hours long, increaſed 5 h. 36 m.

Latitude of	♄	♃	♂	♀	☿
Days 1	0N 0	0S 6	1 S 1	0S 3	1S 9
11	0 1	0 5	1 2	0N 3	0 7
21	0 1	0 5	1 2	0 9	1N 2

Cambridge Term ends.

The 31ſt day Mercury, at his greateſt Elongation, ſets 1 h. 48 m. after the Sun.

April hath XXX Days.

● Full Moon Tueſday the 1ſt Day at 3h. 14m. in the Morning
☾ Laſt Quarter Tueſday the 8th Day at 7h. 16m. in the Morn
● New Moon Tueſday the 15th Day at 2h. 31m. in the Morn
☽ Firſt Quarter Tueſday the 22d Day at 8h. 2m. at Night.
● Full Moon Wedneſday the 30th Day at 3h. 19m. Afternoo

M D	W D	Holy Days, Terms, &c.	☽ riſes h. m.	Aſpects and Weather.	☉ ♈ ☽ ♎ ☽ La
					o ∟ o ∟ o ∟
1	t	Noah	7 a 14	Cold, wet	22 85 27 2 5.0 N
2	w	Sun riſe 5 12	8 27	and ſtormy	23 83 10 ♏ 3 4.6
3	t	Maund. Th.	9 42	weather.	24 80 23 5 4.1
4	f	Good Friday	10 57	△ ♄ ♂	25 78 7 ♐ 0 3.3
5	s	Day inc. 6 25	Morn.	Cold winds,	26 75 20 6 2.3
6	☉	Eaſter Day	0 4	and ſome	27 73 4 ♑ 4 1.2
7	m	Monday	1 10	☌ ☿ ♀ haſty	28 70 18 2 0.1 S.
8	t	Tueſday	2 6	ſhowers.	29 67 2 ♒ 3 1.3
9	w	Sun riſe 4 58	3 0	☽ Perigeon	♉ 65 16 4 2.4
10	t	Sun ſet 7 4	3 29		1 62 0 ♓ 7 3.5
11	f		3 56	Clear, ſerene,	2 59 15 0 4.3
12	s	Cl. ſlow 2m.	4 18	and mild air.	3 56 29 3 4.8
13	☉	Low Sunday	4 37		4 53 13 ♈ 6 5.0
14	m	Day inc. 7h.	☽ ſets	Cold wind,	5 50 27 7 5.0
15	t	Pr. Will. born	7 a 46	with ſome rain,	6 47 11 ♉ 6 4.6
16	w	Sun riſe 4 45	9 7	hail, or ſnow.	7 44 25 2 4.0
17	t	Sun ſet 7 17	10 10		8 41 8 ♊ 4 3.1
18	f	Day br. 2 12	11 19	Some fruitful	9 38 21 2 2 2
19	s	Alphega	Morn.	ſhowers of	10 35 3 ♋ 6 1.1
20	☉	2S. af. Eaſter	0 15	rain.	11 32 15 8 0.1
21	m	Sun riſe 4 36	1 4	☌ ☉ ☿ inf.	12 29 27 8 1.0 N
22	t	Sun ſet 7 26	1 47	Ruffling wind.	13 26 9 ♌ 7 2.0
23	w	St. George	2 20	Term begins	14 23 21 5 2.9
24	t	Day inc. 7 40	2 42	☽ Apogeon	15 19 3 ♍ 4 3.7
25	f	St. Mark	3 4	Flying clouds,	16 16 15 3 4.4
26	s	Cl. ſlow 4m.	3 27	and dark,	17 12 27 5 4.9
27	☉	3S. af. Eaſter	3 42	obſcure air.	18 9 10 ♎ 0 5.1
28	m		4 0	✶ ☉ ♄	19 6 22 8 5.1
29	t	Sun riſe 4 22	4 23	Storms of	20 1 6 ♍ 0 4.8
30	w	Sun ſet 7 29	4 48	wind and rain.	20 98 19 3 4.3

♄ ♑	♃ ♊	☉ ♉
18	6	18
18	7	18
18	8	18
19	9	17
19	10	17
19	11	17

The Moon is with
- Mars 12 day at 2 in the morn.
- Mercury 15 day at 6 in the even.
- Jupiter 17 day at 1 afternoon.
- Venus 18 day at 11 in the morn.
- Saturn 20 day at 8 at night.

☽ Lat. ♌	☽ Lat. ♍
2	5.0 N
3	4.6
5	4.1
0	3.3
6	2.3
4	1.2
2	0.1 S.
3	1.3
4	2.4
7	3.5
0	4.3
3	4.8
6	5.0
7	5.0
6	4.6
2	4.0
1	3.1
2	2.2
1	1.1
3	0.1
1	1.0 N.
2	2.0
2	2.9
3	3.7
5	4.4
6	4.9
8	5.1
28	5.1
29	4.8
30	4.3

☽ N. S.	♂ ♓	♀ ♊	♀ ♉
12	16	0	12
13	16	1	13
14	17	3	14
15	18	4	15
15	19	5	15
16	19	6	16
17	20	7	16
17	21	8	17
17	22	10	17
Rx	23	11	Rx
17	23	12	17
17	24	13	17
17	B 25	14	17
16	26	15	16
16	27	17	16
16	27	18	16
15	28	19	15
15	29	20	15
15	30	21	15
14	B May		14
13	2	♈ 23	13
12	3	2 25	12
12	4	2 26	12
11	5	3 27	11
10	6	4 28	10
10	7	5 29	10
9	B 8	♉ 6	9
9	9	6 1	9
8	10	7 2	8
8	11	8 3	8

Observations.

Day 13 h. 30 m. long, increaſed 6 h. 6 m.

Days	Saturn South	Saturn ſets	Jupiter South	Jupiter ſets	Mars riſes	Mars South	Venus ſets
1	5a 52	2m 0	2a 52	10a 53	4m 12	9m 43	10a 21
11	5 18	1 27	2 23	10 25	3 50	9 35	10 47
21	4 43	0 53	1 54	9 58	3 25	9 24	11 9

Day 14 hours long, increaſed 6 h. 36 m.

Let God ariſe, and let *England*'s Enemies be ſcatter'd. The Conjunction of Jupiter and Venus in Gemini, will inſtill Atoms of Good into the Minds of Men; *London* may be happy in the Effects thereof.

Cambridge Term begins.

Day 14 h. 34 m. long, increaſed 7 h. 10 m.

The Pointers North 21 min. after 8 at night.

The 20th day, at 5 min. after 7 in the evening, is a viſible Conjunction of the Moon and Saturn; and on the 21ſt day at Sun-ſet, Mercury enters the Sun's Diſk.

Day 15 hours long, increaſed 7 h. 36 m.

Latitude of	♄	♃	♂	♀	☿
Days 1	0 N 1	0 S 5	1 S 3	1 N 4	2 N 8
Days 11	0 1	0 5	1 3	1 9	2 6
Days 21	0 1	0 4	1 3	2 3	0 4

Pole Star North 9 h. 30 m. at night.

May hath XXXI Days.

☾ Laſt Quarter Wedneſday the 7th Day 48m. paſt Noon.
☽ New Moon Wedneſday the 14th Day at 1h. 35m. Afternoon.
☽ Firſt Quarter Thurſday the 22d Day at 1h. 45m. Afternoon.
● Full Moon Friday the 30th Day at 1h. 3m. in the Morning.

M D	W D	Holy Days, Terms, &c.	☽ rise: h. m.	Aſpects and Weather.	☉ ♉	☽ ♐	☽ Lat.
					° ′	° ′	° ′
1	t	S.Phil. & Jac.	8 a 45	Cloudy and	21 94	2 ♐ 9	3 5 N
2	f	Day br. 1 20	10 1	ſome ſhowers	22 90	16 7	2.5
3	s	Invent. Croſs	11 7	✱ ☿ ♀ of rain	23 86	0 ♑ 8	1.3
4	S	4S. af. Eaſter	Morn.	and gentle	24 83	14 9	0.1
5	m	Sun riſe 4 12	0 6	winds.	25 79	29 0	1.2 S
6	t	Sun ſet 7 49	0 51	☽ Perigeon	26 75	12 ♒ 2	2.4
7	w	Day inc. 8 22	1 32	The air inclin'd	27 71	27 3	3.4
8	t		2 0	✱ ☿ ♂ to heat	28 67	11 ♓ 4	4.4
9	f	Day br. at 1	2 24	and dryneſs,	29 63	25 5	4.9
10	s	Cl. ſlow 4m.	2 46	with corruſca-	♊ 59	9 ♈ 4	5.1
11	S	Rog. Sunday	3 1	tions.	1 55	23 3	5.1
12	m	Sun riſe 4 3	3 23		2 51	7 ♉ 0	4.8
13	t	Sun ſet 7 58	3 31	□ ♂ ♀ Cool	3 47	20 4	4.2
14	w		☽ ſets	breezes of	4 43	3 ♊ 7	3 4
15	t	Aſcenſ. Day	9 a 6	wind, and	5 39	16 6	2.4
16	f	Day inc. 8 45	10 7	☌ ♄ ♀ gentle	6 35	29 4	1.4
17	s		11 3	ſhowers of rain	7 31	11 ♋ 6	0 3
18	S	6S. af. Eaſter	11 46	☽ Apogeon	8 26	23 8	0.8 N
19	m	Term ends	Morn	□ ♄ ♂ Cloudy	9 22	5 ♌ 8	1.9
20	t		0 21	and miſling	10 19	17 6	2.8
21	w	Sun riſe 3 52	0 46	rain.	11 15	29 5	3.7
22	t	Sun ſet 8 9	1 9		12 11	11 ♍ 3	4.4
23	f	Cl. ſlow 3m.	1 29	Curious fine	13 7	23 4	4.9
24	s	Pr. Geo. born	1 46	and pleaſant.	14 3	5 ♎ 5	5.1
25	S	Whit-Sund.	2 0	✱ ♄ ☿	14 98	18 1	5.2
26	m	Monday	2 21	Brink wind,	15 93	0 ♏ 9	5.0
27	t	Tueſday	2 42	and ſome	16 88	14 1	4.6
28	w	Ember Week	3 2	ſeaſonable	17 83	27 ♐	3.8
29	t	K.C.II. reſt.	☽ riſes	☌ ☉ ♃ ſhowers	18 78	11 ♐ 6	2.9
30	f	P.Am. & C.b.	8 a 52	of rain or	19 73	25 8	1.7
31	s	Sun riſe 3 43	9 53	hail.	20 69	10 ♑ 3	0 4

♄	♃	♂
♑	♊	♌
20	12	17
20	14	16
21	15	16
21	16	16
22	17	15
22	18	15

The Moon is with
Mars 10 day at 9 at night.
Mercury 12 day at 4 afternoon.
Jupiter 15 day at 8 in the morn.
Venus 18 day at 11 in the morn.
Saturn 18 day at 8 in the morn.

☉	☽	☿	♀
♉	♈	♊	♓
12	9	5	8
13	9	6	8
14	10	7	7
B	11	8	7
16	12	9	7
17	12	10	D
18	13	11	7
19	14	12	7
20	15	13	8
21	15	14	8
B	16	16	9
23	17	17	9
24	18	18	10
25	19	19	10
26	20	20	11
27	21	21	12
28	21	22	13
B	22	23	14
30	23	24	15
31	24	25	16
1	June		17
2	25	27	18
3	25	28	19
4	26	29	21
B	27	☊	22
6	27	1	23
7	28	2	25
8	29	3	26
9	♉	4	28
10	0	5	29
11	1	6	30

Observations.

Lion's Tail south 8 h. 19 m. at night.
Aliath south 9 h. 43 m. at night.
Day 15 h. 30 m. long, increased 8 h. 6 m.

Days	Saturn Sou.	Saturn Sets	Jupiter Sou.	Jupiter Sets	Mars Rises	Mars Sou.	Ven. Sets
1	4a 9	0m11	1a26	9a30	3m 0	9m15	11a18
11	3 32	11 a41	0m55	9. 7	2 32	9 5	11 21
21	2 56	11 3.0	26	8 32	2 5	8 51	11 9

'Tis now the Earth, like some rich wanton Heir,
Forgets she look'd so lately pale and bare,
Adorns the Plains with a triumphant Hue,
And calls on Man Nature's fine Works to view;
The merry Lark now soars aloft in Air,
With chearing Notes, congratulating there
The Glory of the Spring!

The 19th day Mercury at his greatest Elongation, rises 1 h. 3 m. before the Sun.

Virgin's Spike south 8 h. 30 m. at night.
Cambridge Term ends.

Latitude of	♄	♃	♂	♀	☿
Days 1	0 N.	1 0 S.	4 1 S.	2 2 N.	5 2 S.
Days 11	0	1 0	4 1	2 2	6 3
Days 21	0	2 0	3 1	1 2	5 3

Day 16 h. 30 m. long, increased 9 h. 6 m.

Arcturus south at 9 at night.

☾ Laſt Quarter Thurſday the 5th day at 5 h. 55 m. Even
● New Moon Friday the 13th day at 2 h. 15 m. morning
☽ Firſt Quarter Saturday the 21ſt day at 5 h. 35 m. morn
○ Full Moon Saturday the 28th day at 9 h. 16 m. morni

M. D.	W. D.	Holy Days, Terms, &c.	☽ riſes h.	m.	Aſpects and Weather.	☉ °	′	☽ °	♈ ′	☾ °
1	☉	Trinity-Sun.	10 a	47	Great heat	21	64	24	8	0
2	m	Sun riſe 3 42	11	33	and ſome	22	59	9	♎ 4	2
3	t	Sun ſet 8 18	12	0	☽ Perigæon.	23	55	23	8	3
4	w		morn.		thunder ſhow-	24	50	8	♑ 14	4
5	t	Corp. Chriſti	0	29	ers.	25	45	22	34	5
6	f	Term begins	0	48	✶ ♀ ☿ Briſk	26	41	6	♈ 35	5
7	ſ	Clocks true	1	10	winds and	27	36	20	0	5
8	☉	1 S. aft. Trin.	1	31	dry ſtate of	28	31	3	♉ 55	5
9	m	Sun riſe 3 41	1	53	air.	29	27	16	8	4
10	t	Sun ſet 8 19	2	14	♂ ♃ ☿	♌	23	29	9	3
11	w	K. Ge. II. In.	2	43	S. Barnabas.	1	18	12	♊ 8	2
12	t		☽ ſets		Cloudy and	2	13	25	4	1
13	f	No real night	8 a	48	ſome ſeaſon-	3	8	7	♋ 8	0
14	ſ	but twilight.	9	34	able ſhowers.	4	3	20	0	0
15	☉	2 S. aft. Trin.	10	15	K. Geo. II. pro.	4	99	2	♌ 0	1
16	m		10	43	Hot and dry.	5	94	13	9	2
17	t	S. Alban.	11	4	☽ Apogæon.	6	89	25	8	3
18	w	Cl. faſt 3 m.	11	30	Serene, clear	7	85	7	♍ 6	4
19	t		11	49	☌ ☉ ☿ air,	8	80	19	7	4
20	f	Sun riſe 3 42	morn.		✶ ♃ ♀ inclin'd	9	75	1	♎ 5	5
21	ſ	Sun ſet 8 18	0	6	to heat and	10	71	13	7	5
22	☉	3 S. aft. Trin.	0	28	dryneſs.	11	66	26	2	5
23	m		0	44	✶ ♂ ☿	12	61	9	♏ 0	4
24	t	S. John Bapt.	1	6	Cloudy and	13	57	22	2	4
25	w	Term ends.	1	26	briſk winds,	14	52	5	♐ 8	3
26	t		1	58	producing	15	47	19	8	2
27	f	Sun riſe 3 47	2	35	☌ ♄ ☿ ſhowers	16	43	4	♑ 33	0
28	ſ	Sun ſet 8 12	☽ riſes		of rain or hail.	17	38	19	0	2
29	☉	S. Pet. & Paul	9 a	19	4 S. aft. Trin.	18	34	3	♒ 9	1
30	m	Day de. 18 m.	9	56	☽ Perigæon.	19	29	18	8	3

♄ ♑	♃ ♊	♂ ♑
23	20	15
24	21	15
24	22	15
25	23	14
26	24	14
26	25	14

The Moon is with
- Mars 8 day at 7 in the evening.
- Mercury 12 day at 6 in the morn.
- Jupiter 12 day at 6 in the morn.
- Saturn 14 day at 4 afternoon.
- Venus 17 day at 2 in the morn.

☉ ♉	☽ ♉	☿ ♌	☿ ♊
B	2	7	2
	3	8	4
	3	9	6
	4	10	8
	5	11	9
	5	12	11
	6	12	13
B	7	13	16
	8	14	17
	8	15	19
	9	16	21
	10	17	23
	11	18	25
	11	19	27
B	12	20	29
	13	21	2
	13	21	4
	14	22	6
	15	22	8
	1 July		10
	16	24	13
B	17	25	15
	18	26	17
	18	27	19
	19	27	21
	20	28	23
	21	29	25
	21	29	27
B	22	♍	29
	23	0	31

Observations.

Bright Venus sets at 11 at night.

Arcturus south at 9 at night, Alt. 58 deg.

Cambridge Terms begins.

Days	Saturn Sou.	Saturn Sets	Jupiter Rises	Jupiter Sou.	Mars Rises	Mars Sou.	Ven. Sets
1	2a17	10a21	3m41	11m49	4m35	8m36	10a57
B 11	1 40	9 42	3 11	11 17	1 7	8 21	10 36
21	1 48	9 4	2 38	10 45	0 42	8 8	10 12

Longest Day 16 h. 36 m. increased 9 h. 12 m.

The Northern Crown, and North Ballance, both south at 9 at night, Alt. 65° and 29°.

Sun Eclipsed invisible.

We now behold in th' Volume of the Sky
The Stars at Friends, no Ray of Enmity
Disturbs the Heavenly Orbs; may it foretell,
That Heaven's appeas'd, and all on Earth is well.
But these blest Days are of short Date, I fear;
Some Actions brooding, will too soon appear.

Jupiter and Mercury may be seen near together in the morning.

Day 16 h. 30 m. long, decreased 6 minutes.

Venus may be seen near to Cor Leonis.

Latitude of	♄	♃	♂	♀	☿
Days 1	0N. 2	0S. 4	0S. 1	2N. 1	1S. 8
11	0 2	0 3	1 0	2 6	0N. 0
21	0 2	0 3	0 9	0 5	1 4

The Moon Eclipsed invisible.

Antares south at 9 at night, Alt. 12 deg.

Fomahant south 22 m. after 3 in the morn.

☾ Last Quarter Friday the 4th day at midnight.
● New Moon Saturday the 12th day at 4 h. 32 m. afterno
☽ First Quarter Sunday the 20th day at 7 h. 23 m. evenin
○ Full Moon Sunday the 27th day at 4 h. 40 m. afternoo

M. D.	W.	Holy Days, Terms, &c.	☽ rises h.	m.	Aspects and Weather.	☉ °	☉ ′	☽ °	☽ ′	
1	t	Cl. fast 5 m.	10 a	28	Pleasant, brisk	20	24	3	♑	7
2	w	Visitation.	10	51	winds, and	21	19	18		4
3	t	Day 16h 12m	11	9	some small	22	15	3	♈	6
4	f	Sun rise 3 53	11	30	showers.	23	10	16		8
5	s	Sun set 8 6	11	49		24	06	0	♉	4
6	○	5 S. aft. Trin.	Morn.			25	01	14		0
7	m	Tho. à Becket	0	14	✱ ♄ ♂ Dark,	25	57	26		9
8	t	Day dec. 35 m	0	42	♂ ☉ ♄ cloudy	26	52	9	♊	6
9	w		1	13	weather, and	27	48	22		1
10	t	Sun rise 4 0	1	44	frequent	28	83	4	♋	5
11	f	Sun set 7 58	2	37	showers of	29	79	16		6
12	s		☽ sets		✱ ☉ ♂ rain,	♌	74	28		7
13	○	6 S. aft. Trin.	8 a	43	hail, & thunder.	1	70	10	♌	6
14	m		9	12	☽ Apogæon,	2	66	22		5
15	t	Swithin.	9	31		3	61	4	♍	3
16	w	Day dec. 1 h.	9	51	✱ ♅ ♀	4	57	16		2
17	t	Sun rise 4 10	10	5	Fine, serene,	5	53	28		1
18	f	Sun set 7 49	10	22	and pleasant	6	48	10	♎	1
19	s	Dog-days be.	10	46	weather in-	7	44	22		3
20	○	7 S. aft. Trin.	11	3	clin'd to heat.	8	39	4	♏	8
21	m	Cl. fast 6 m.	11	24	□ ♂ ♀	9	35	17		5
22	t	M. Magdalen	11	53	♂ ♀ ♀ Wind	10	31	0	♐	6
23	w	Day br. 1 32	Morn.		□ ♂ ♀ and	11	27	14		2
24	t	Day dec. 1 22	0	31	showers.	12	23	28		1
25	f	St. James.	1	23		13	18	12	♑	5
26	s		2	24	Storms of	14	14	26		3
27	○	8 S. aft. Trin.	☽ rises		hail, rain,	15	10	12	♒	4
28	m	Sun rise 4 27	8 a	23	☽ Perigæon.	16	06	27		6
29	t	Sun set 7 32	8	48	and thunder.	17	02	12	♓	7
30	w		9	17		17	99	27		5
31	t	Pr. Augusta b.	0	36	Hot and dry.	18	95	12	♈	5

The Moon is with
- Mars 7 day at noon.
- Jupiter 9 day at 8 at night.
- Saturn 12 day at noon.
- Mercury 14 day at 6 afternoon.
- Venus 15 day at 4 afternoon.

Observations.

Commencement-day at Cambridge.

Baſilicus ſets 46 m. after 9 at night.

Cambridge Term ends.

Head of Serpentarius ſouth 45 m. after 9 at night, Alt. 50 deg.

Day 16 hours long, decreaſed 36 min.

Days	Saturn Sou.	Saturn Sets	Jupiter Riſes	Jupiter Sou.	Mars Riſes	Mars Sou.	Ven. Sets
1	om28	8a26	2m 6	10m15	om14	7m55	9a43
11	11 50	Riſes	1 24	9 43	11a55	7 43	9 12
21	11 16	3m53	1 2	9 23	11 36	7 33	8 36

What means that northern Cloud, that darks the Air? (*hear?*

What News is that from France *and* Spain *u*

Some great Deſigns appear to be in hand,
Puts Kingdoms, States, and Empires to a ſtand.

Day 15 h. 30 m. long, decreaſed 1 h. 6 m.

Draco ſouth at 9 at night. Alt. 89°.

Latitude of	♄	♃	♂	♀	☿
1	0N.2	0 S.3	0 S.8	0 S 6	1 N.8
Days 11	0 2	0 3	0 7	2 7	1 1
21	0 3	0 3	0 6.4	8	0 S.3

Day 15 hours long, decreaſed 1 h. 36 m.

Mercury at his greateſt Elongation ſets 1 ho. after the Sun.

Auguſt hath xxxi Days.

☾ Laſt Quarter Sunday the 3d day at 8 h. 32 m. morning
● New Moon Monday the 11th day at 8 h. 8 m. morning
☽ Firſt Quarter Tueſday the 19th day at 7 h. 14 m. morn
● Full Moon Monday the 25th day at 9 m. after midnig

D	☉	Holy Days, Terms, &c.	☽ riſes. h.	m.	Aſpects and Weather.	☉ °	☿ ′	☽ °	♃ ′	♄ °
1	f	Lammas-day	9 a	58	Curious, ſerene	19	91	26	55	
2	ſ	Sun riſe 4 36	10	19	and pleaſant	20	87	10 ♉	34	
3	☉	9 S. aft. Trin.	10	48	✶♃ ♀ air at	21	83	23	64	
4	m	Sun ſet 7 20	11	17	the beginning.	22	79	6 ♊	53	
5	t	Cl. faſt 4 m.	11	53		23	75	19	22	
6	w	Tranſfigurat.	Morn.		Kind, and	24	71	1 ♋	51	
7	t	Day dec. 2 15	0	34	ſeaſonable har-	25	67	13	7	0
8	f		1	31	veſt weather	26	64	25	7	1
9	f	Sun riſe 4 48	2	26	continues.	27	60	7 ♌	6	2
10	☉	10 S. aft. Trin.	3	28	☌☉ ♀ Cool,	28	57	19	4	3
11	m	Sun ſet 7 8	☽ ſets.		☽ Apogæon.	29	54	1 ♍	3	3
12	t		8 a	0	and haſty	♍	51	13	2	4
13	w	Cl. faſt 3 m.	8	19	ſhowers of	1	47	25	1	4
14	t	Day br. 2 47	8	36	□♂ ♀ rain,	2	44	7 ♎	1	5
15	f	Aſſumption.	8	53	and ruffling	3	41	19	2	5
16	ſ		9	12	wind.	4	38	1 ♏	5	4
17	☉	11 S. aft. Trin.	9	31	✶☉♃	5	34	14	0	4
18	m	Sun riſe 5 6	9	57	✶♂ ♀	6	31	26	7	4
19	t	Sun ſet 6 52	10	33	The weather	7	28	9 ♐	7	2
20	w		11	14	inclin'd to	8	25	23	1	1
21	t	Day dec. 3 15	Morn.		heat and	9	22	6 ♑	8	0
22	f	Cl. ſlow 1 m.	0	6	thunder, with	10	19	21	10	0
23	ſ		1	13	ſome rain.	11	16	5 ♒	7	2
24	☉	12 S. aft. Trin.	2	27	S. Bartholom.	12	13	20	6	3
25	m	Sun riſe 5 20	☽ riſes.		☽ Perigæon.	13	10	5 ♓	9	4
26	t	Sun ſet 6 38	7 a	21	☌☉ ♀ Brisk	14	07	21	1	4
27	w	Dog-da. end.	7	43	wind, and	15	05	6 ♈	2	5
28	t	Auſtin.	8	6	ſhowers of	16	02	21	1	5
29	f	Decol. J. B.	8	27	rain.	16	99	5 ♉	4	4
30	ſ	Sun riſe 5 30	8	54	Sultry hot	17	97	19	3	3
31	☉	13 S. aft. Trin.	9	21	air.	18	95	2 ♊	8	2

☽	♄	♃	♂
1	3	12	
1	4	12	
2	5	11	
3	5	11	
3	6	11	
4	7	11	

The Moon is with
- Mars 5 day at 8 in the morn.
- Jupiter 6 day at 4 afternoon.
- Saturn 8 day at midnight.
- Venus 11 day at 7 in the morn.
- Mercury 13 day at 6 in the morn.

☽	♑	♂	♀	☿
26	55			
10	♉ 34			
23	64			
6	♊ 53			
19	22			
1	♋ 51			
13	70			
25	71			
7	♌ 62			
19	43			
1	♍ 33			
13	24			
25	14			
7	♎ 15			
19	25			
1	♏ 54			
14	04			
26	74			
9	♐ 74			
23	11			
6	♑ 80			
18	10			
0	62			
12	♒ 53			
24	44			
6	♓ 35			
18	25			
0	♉ 15			
11	85			

☽	♑	♂	♀	☿	
1	12	14	4	17	
2	13	15	4	18	
B	15	16	3	20	
4	15	16	3	20	
5	16	17	2	21	
6	17	17	2	21	
7	18	18	1	22	
8	19	19	1	22	
9	20	19	1	22	
10	B	20	♌	23	
11	22	21	29	23	
12	23	21	28	℞	
13	24	22	27	23	
14	25	22	27	23	
15	26	23	26	23	
16	27	24	26	22	
E	B	24	25	22	
18	29	25	25	21	
19	30	26	24	21	
20	31	26	24	20	
21	1	Septem.			
22	2	27	23	18	
23	3	28	22	17	
E	B	28	22	16	
25	5	29	22	15	
26	6	♍	21	14	
27	7	0	21	13	
28	8	1	21	13	
29	9	1	21	12	
30	10	2	21	11	
R	B	3	21	10	

Obſervations.

Lyræ, or the Shining Harp, ſouth at 9 at night. Altitude 76 degr.

Day 14 h. 30 m. long, decreaſed 2 h. 6 m.

Days	Saturn Riſes	Saturn Sou.	Jupiter Riſes	Jupiter Sou.	Mars Riſes	Mars Sou.	Venus Sets
1	2m56	10m40	0m29	8m40	11a17	7m20	7h 48
11	2 25	10 8	12 a 0	8 11	11 6	7 11	Riſes
21	2 7	9 36	11 31	7 41	10 58	7 1	3m42

Day 14 hours long, decreaſed 2 h. 36 m.

Saturn's *in* Leo, *and bids* Rome *beware*
Of Storms approaching, and they're very near.
What ſhall I ſay? Some Things I do deſcry,
Time will reveal the what; ſo may not I.

Bright ✶ of Aquila ſouth at 9 at night.
Day 13 h. 30 min. long, decreaſed 3 h. 6 m.

Latitude of	♄	♃	♂	♀	☿
Days 1	1 0 N.	3 0 S.	3 0 S	4 7 S.	0 2 S.
11	0	3 0	3 0	2 8	3 3
21	0	3 0	3 0	1 8	1 4

Hand of Antinous ſouth at 9 at night.
Day 13 hours long, decreaſed 3 h. 36 m.

The Thunder-bolt falls northward.

September hath xxx Days.

☾ Last Quarter Monday the 1st day at 9 h. 14 m. at nigh
● New Moon Tuesday the 9th day 23 m. after midnight.
☽ First Quarter Wednesday the 17th day 5 h. 21 m. even,
● Full Moon Wednesday the 24th day at 8 h. 39 m. morn

M.D.	W.D.	Holy Days, Terms, &c.	☽ rises h.	m.	Aspects and Weather.	☉ °	♍ '	☽ °		'	Lat. ° '
1	m	Day dec. 3 52	9 a	58	Fine, agreeable	19	92	15	♊	7	2.2
2	t	London bur.	10	39	weather be-	20	90	28		3	1.2
3	w	Sun rise 5 39	11	27	gins this	21	87	10	♋	6	0.1
4	t	Sun set 6 19	Morn.		month.	22	85	22		6	1.0
5	f		0	25	⚹ ♃ ☿	23	83	4	♌	6	2.0
6	ſ	Cl. ſlow 6 m	1	26	Now expect	24	81	16		5	2.9
7	☉	14 S. aft. Trin.	2	31	☽ Apogæon.	25	79	28		3	3.7
8	m	Nat. V. Mary	3	36	brisk winds	26	77	10	♍	1	4.3
9	t	Day dec. 4 25	☽ sets		and ſhowers	27	75	22		0	4.8
10	w	Sun riſe 5 53	6 a	56	of rain, if	28	73	4	♎	1	5.0
11	t	Sun ſet 6 4	7	1	☌ ♃ ♂ not	29	71	16		3	5.0
12	f	Day br. 4 1	7	26	a tempeſtuous	♎	69	28		5	4.8
13	ſ		7	47	air.	1	67	10	♏	9	4.4
14	☉	15 S. aft. Trin.	8	3	Holy Rood.	2	65	23		5	3.7
15	m	Day dec. 4 55	8	34	Bright, lucid	3	63	6	♐	4	2.8
16	t	Cl. ſlow 9 m.	9	19	air inclin'd	4	61	19		4	1.8
17	w	Ember Week	10	6	⚹ ☉ ♄ to	5	60	2	♑	6	0.7
18	t	Sun riſe 6 11	11	4	drineſs.	6	59	16		4	0.5
19	f	Sun ſet 5 47	Morn.		Wind and	7	58	0	♒	4	1.6
20	ſ		0	25	□ ☉ ♃ ſhowers	8	56	14		8	2.9
21	☉	16 S. aft. Trin.	1	42	St. Matthew.	9	55	29		5	3.8
22	m	Day br. 4 20	3	5	☽ Perigæon.	10	54	14	♓	3	4.5
23	t	Day dec. 5 22	4	32	Frequent	11	52	29		5	4.9
24	w	Sun riſe 6 23	☽ riſes		ſhowers of	12	51	14	♈	4	5.0
25	t	Sun ſet 5 35	6 a	38	rain and	13	50	29		2	4.7
26	f	Cyprian.	7	0	thunder.	14	49	14	♉	6	4.1
27	ſ	Cl. ſlow 13 m.	7	32	⚹ ♄ ☿	15	48	27		6	3.4
28	☉	17 S. aft. Trin.	7	59	□ ♃ ☿ Warm,	16	47	11	♊	1	2.4
29	m	St. Michael.	8	41	□ ☉ ♂ fine	17	46	24		2	1.2
30	t	Sun riſe 6 35	9	32	air and clear.	18	46	6	♋	8	0.2

The Moon is with
Mars 2 day at midnight.
Jupiter 3 day at 8 in the morn.
Saturn 5 day at 2 afternoon.
Venus 6 day at 10 at night.
Mercury 8 day at noon.
Jupiter 30 day at 6 in the even.

Observations.

All the primary Planets, viz. Saturn, Jupiter, Mars, Venus, and Mercury are oriental, an Accident which rarely happens.

Day 12 h. 30 m. long, decreased 4 h. 6 m.

Day	Saturn Rises	Saturn Sou.	Jupiter Rises	Jupiter Sou.	Mars Rises	Mars Sou.	Venus Rises
1	1m25	9m 0	11 3	7m 8	10a40	6m50	2m44
10	54	8 30	10 31	6 39	10 30	6 38	2 30
20	24	7 57	10 0	6 5	10 20	6 22	2 25

(seen near together.

The 11 day in the evening ☿ and ♂ may be

Day 12 hours long, decreased 4 h. 36 m.

Mercury rises 1 h. 40 m. before the Sun.

Zeus *conjoin'd with* Mars, *troubles the Skies,*
And Discontents now in the World arise:
Sol *to the angry Pair darts an Aspect*
Which threatens Mortals with some dire Effect:
If Spain *Vengeance 'scape, I think it strange,*
Italy *too, seems near some mighty Change.*

Day 11 h. 30 m. long, decreased 5 h. 6 m.

		♄	♃	♂	♀	☿
Latitude of		1 0N	3 0 S.	2 0N.	2 6 S.	8 18 8
Days	1	0	3 0	2 0	4 5	0 1 N.
	11	0	3 0	2 0	6 3	3 1 9
	21	0				

Day 11 hours long, decreased 5 h. 36 m.

Fomahant south at 10 at night.

☾ Laſt Quarter Wedneſday the 1ſt day at 48 m. paſt noo
● New Moon Thurſday the 9th day at 4 h. 38 m. even.
☽ Firſt Quarter Friday the 17th day at 2 h. 10 m. morn.
● Full Moon Thurſday the 23d day at 7 h. 7 m. at night.
☾ Laſt Quarter Friday the 31ſt day at 8 h. 29 m. morn.

M.D.	W.D.	Holy Days, Terms, &c.	☽ riſes h. m	Aſpects and Weather.	☉ ° ′	♃	☽ ° ′	☋	L °
1	w		10 a 22	Curious, ſerene,	19 45		19 1		0.
2	t	Sun riſe 6 40	11 23	temperate air	20 44		1♌1		1.
3	f	Sun ſet 5 18	Morn.	for the ſeaſon.	21 44		13 0		2.
4	ſ	Cl. ſlow 14 m	0 28	□ ♂ ☿ Windy.	22 43		24 9		3.
5	☉	18 S. aft. Trin.	1 33	☽ Apogæon.	23 43		6♍8		4.
6	m		2 39		24 42		18 7		4.
7	t	Sun riſe 6 50	3 43	Mild, calm,	25 42		0♎7		5.
8	w	Sun ſet 5 8	4 53	✶ ♃ ♀ and	26 41		12 8		5.
9	t	St. Denis.	☽ ſets	☌ ☉ ☿ gentle	27 41		25 2		4.
10	f	Day br. 5 6	5 a 57	ſhowers of	28 41		7♏7		4.
11	ſ	K. Ge. II. cro.	6 21	rain.	29 41		20 4		3.
12	☉	19 S. aft. Trin.	6 46	Froſty morn-	♏ 41		3♐3		2.
13	m	Cl. ſlow 16 m.	7 25	ings, the	1 40		16 4		1.
14	t		8 4	days pleaſant,	2 40		29 6		0.
15	w	Sun riſe 7 6	9 2	□ ♄ ☿ but	3 40		13♑1		0.
16	t	Sun ſet 4 52	10 16	ſomewhat	4 41		26 8		1.
17	f	Day dec. 7 h.	11 27	△ ♃ ☿ windy.	5 41		10♒7		2.
18	ſ	St. Luke.	Morn.		6 41		24 8		3.
19	☉	20 S. aft. Trin.	0 51	☽ Perigæon.	7 41		9♓2		4.
20	m		2 9	□ ☉ ♄ Dark,	8 41		23 8		5.
21	t	Urſula.	3 34	cloudy air,	9 42		8♈4		5.
22	w	Fs. Orange b.	4 53	△ ☉ ♃ and	10 42		23 0		5.
23	t	Term begins	☽ riſes	frequent ſhow-	11 42		7♉5		4.
24	f	Sun riſe 7 23	5 a 26	ers of rain.	12 43		21 7		4.
25	ſ	Criſpin.	5 55		13 43		5♊6		3.
26	☉	21 S. aft. Trin.	6 34	✶ ♂ ♀ Curious	14 44		19 0		2.
27	m	Sun ſet 4 31	7 23	fine, and	15 45		2♋1		1.
28	t	S. Sim. & Jude.	8 15	delightful	16 45		14 7		0.
29	w	Sun riſe 7 33	9 12	△ ♂ ☿ weather	17 46		27 1		0.
30	t	K. Ge. II. bo.	10 11	to the end of	18 47		9♌2		1.
31	f	Sun ſet 4 24	11 20	the month.	19 48		21 2		2.

The Moon is with
Mars 1 day at noon.
Saturn 3 day at 2 in the morn.
Venus 5 day at 3 afternoon.
Mercury 9 day at 4 afternoon.
Jupiter 28 day at 6 in the morn.
Mars 29 day at 4 afternoon.

Obſervations.

Mirach ſouth at midnight. Alt. 25°.

Sirius ſouth 15 m. after 5 in the morn.

Day 10 h. 30 min. long, decreaſed 6 h. 6 min.

Days	Saturn Riſes	Saturn Sou.	Jupiter Riſe.	Jupiter Sou.	Mars Riſes	Mars Sou.	Ven. Riſes
1	11 a 52	7 m 24	9 a 23	5 m 32	10 a 9	6 m 9	2 m 22
11	11 15	6 49	8 52	4 58	9 53	5 50	1 36
21	10 42	6 11	8 13	4 17	9 36	5 26	1 55

Cambridge Term begins.

Fomahant ſouth at 9 at night.

Day 10 hours long, decreaſed 6 h. 36 m.

Seat Alpheras in Pegaſus ſouth at 9 at night. Altitude 64 degrees.

Marhab ſouth at 9 at night. Alt. 51°.

Day 9 h. 30 m. long, decreaſed 7 h. 6 m.

Latitude of	♄	♃	♂	♀	☿
Days 1	0 N. 3	0 S. 2	0 N. 9	1 S. 8	1 N. 4
11	0 4	0 2	1 2	0 5	0 5
21	0 4	0 2	1 4	0 N. 5	0 S. 6

Day 9 hours long, decreaſed 7 h. 36 m.

The 28th day at 6 in the morning is a viſible Conjunction of the Moon and Jupiter.

Head of Andromeda ſouth at 9 at night.

● New Moon Saturday the 8th day at 8 h. 15 m. morn.
☽ First Quarter Saturday the 15th day at 10 h. 22 m. morn.
○ Full Moon Saturday the 22d day at 8 h. 8 m. morn.
☾ Last Quarter Sunday the 30th day at 5 h. 44 m. morn.

D.	W.	Holy Days, Terms, &c.	☽ rises h.	m.	Aspects and Weather.	☉ °	′	☽ °	′	°
1	t	All Saints.	Morn.		✶ ♀ ♅ Frost.	20	48	3 ♑	0	4.3
2	☉	22 S.aft.Trin.	0	27	All Souls.	21	49	14	9	4.8
3	m	Sun rise 7 41	1	31	☽ Apogæon.	22	50	26	8	5.1
4	t	Sun set 4 18	2	37	✶ ♄ ♀ · △ ♄ ♅	23	51	8 ♒	9	5.1
5	w	Powder Plot.	3	45	Sharp winds,	24	51	21	2	5.0
6	t	Cl. slow 15 m.	5	0	□ ♅ ♀ and	25	52	3 ♓	7	4.6
7	f		6	31	some downfall	26	53	16	4	3.9
8	s	Day br. 5 40	☽ sets		of snow or	27	55	29	4	3.1
9	☉	23 S.aft.Trin.	5 a	16	rain.	28	57	12 ♈	6	2.0
10	m		5	58	Frosty air,	29	58	26	1	0.9
11	t	Martin, B.	6	51	and pleasant.	♐	59	9 ♉	7	0.4
12	w	Sun rise 8 0	8	0	△ ☉ ♂ Good	1	61	23	5	1.6
13	t	Sun set 4 0	9	12	agreeable air	2	62	7 ♊	4	2.7
14	f		10	25	still continues.	3	63	21	5	3.7
15	s	Cl. slow 12 m.	11	50	☽ Perigæon.	4	65	5 ♋	6	4.5
16	☉	24 S.aft.Trin.	Morn.			5	66	19	8	5.0
17	m	Day 7 h. 52 m.	1	12	Fine serene	6	67	4 ♈	0	5.2
18	t		2	31	✶ ☉ ♄ air,	7	69	18	3	5.1
19	w	Ps. Wales bo.	3	50	and mild for	8	70	2 ♉	4	4.7
20	t	Sun rise 8 8	5	9	the season	9	72	16	4	3.9
21	f	Sun set 3 51	6	24		10	74	0 ♊	2	3.0
22	s	Cæcilia.	☽ rises		Brisk wind,	11	75	13	8	1.9
23	☉	25 S.aft.Trin.	5 a	2	and storms	12	77	27	0	0.7
24	m	Cl. slow 9 m.	5	56	of rain.	13	78	9 ♋	9	0.4
25	t	Catherine.	6	52	Cold clear air	14	80	22	5	1.6
26	w	Sun rise 8 13	7	48	☐ ♂ ♀ inclin'd	15	81	4 ♌	9	2.6
27	t	Sun set 3 46	8	54	to frosty.	16	83	17	0	3.5
28	f	Term ends.	0	3	♂ ♅ ♀ · □ ♄ ♀	17	85	29	0	4.2
29	s	Cl. slow 6 m.	1	8	☽ Apogæon.	18	87	10 ♍	8	4.8
30	☉	Advent-Sund.	12	15	St. Andrew.	19	89	22	8	5.1

The Moon is with
- Venus 4 day at 8 in the morn.
- Mercury 9 day at 5 in the even.
- Jupiter 14 day at 8 in the morn
- Mars 26 day at 9 in the morn.
- Saturn 26 day at 7 at night.

Observations.

Sheder south at 9 at night. Alt. 92°.

Day 8 h. 30 m. long, decreased 8 h. 6 m.

Days	Saturn Rises	Saturn Sou.	Jupiter Rise	Jupiter Sou.	Mars Rise	Mars Sou.	Venus Rises
1	9a 58m	28	7a 23m	32	9a 8	4m 56	3m 13
11	9 17	4 47	6 42	2 49	8 38	4 23	3 40
21	8 34	4 4	5 54	2 28	1 3	44	4 0

The Pole Star north at 9 at night.

Sirius south 40 m. after 2 in the morn.

Day 8 hours long, decreased 8 h. 36 m.

The Bright ♈ of Aries south 30 m. past 9 night.

Days	Latitude of ♄	♃	♂	♀	☿
1	1 0 N.	4 0 S.	2 1 N.	9 1 N.	4 1 S.
11	0 5	0 1	2 3	1 9	2 3
21	0 5	0 1	2 7	2 3	2 2

Mercury, at his greatest Elongation, sets 1 h. 14 m. after the Sun.

Mens Actions

Are now confus'd, and tends to strange Distractions.

Day 7 h. 30 m. long, decreased 9 h. 6 m.

December hath xxxi Days.

● New Moon Sunday the 7th day at 10 h. 32 m. at night.
☽ First Quarter Sunday the 14th day at 6 h. 13 m. at night.
● Full Moon Sunday the 21st day at midnight.
☾ Last Quarter Tuesday the 30th day at 3 h. 23 m. morn.

M.	D.	W.	Holy Days, Terms, &c.	☽ rises. h.	m.	Aspects and Weather,	☉ °	☉ ′	☽ °	☽ ′	L. °	L. ′
1	m	Sun rise 8 16		om	15	△♃ ☿ ☍ ♀ ☿	20	91	4	♎ 7	5.3	
2	t	Sun set 3 44		1	22	Lofty winds	21	93	16	8	5.2	
3	w	Day br. 6 5		2	26	and cloudy,	22	95	29	1	4.8	
4	t	Barbara.		3	39	☌♃ ☿ with	23	97	11	♏	4.2	
5	f	Cl. slow 4 m.		4	48	some consider-	24	99	24	5	3.4	
6	s	Nicholas.		6	6	able downfall	26	00	7	♐ 7	2.4	
7	☉	2 S. in Advent		☽ sets		Prs. Louisa bo.	27	02	21	3	1.3	
8	m	Con. V. Mary		4 a	32	of rain or snow.	28	04	5	♑ 8	0.0	
9	t	Sun rise 8 19		5	45	Now more	29	06	19	2	1.3	
10	w	Sun set 3 41		7	11	calm and mo-	♑	08	3	♒ 5	2.5	
11	t			8	9	☌☉☿ derate	1	10	17	9	3.6	
12	f	Cl. slow 1 m.		9	27	for a while	2	12	2	♓ 2	4.4	
13	s	Lucia.		10	48	☽ Perigæon.	3	14	16	6	5.0	
14	☉	3 S. in Advent		Morn.		Close obscure	4	16	0	♈ 8	5.3	
15	m	Cl. fast 1 m.		0	7	☍☉♃ air.	5	18	14	9	5.2	
16	t	O Sapientia !		1	27	Ca. Term ends.	6	20	28	8	4.8	
17	w	Ember Week		2	49		7	22	12	♉ 5	4.2	
18	t	Sun rise 8 18		4	2	Clear frosty	8	24	26	1	3.3	
19	f	Sun set 3 43		5	17	air.	9	26	9	♊ 5	2.2	
20	s	Day br. 6 10		6	29	Now look for	10	28	22	6	1.1	
21	☉	St. Thomas.		☽ rises		snow, rain,	11	30	5	♋ 5	0.0	
22	m	Cl. fast 5 m.		4 a	20	and blustring	12	31	18	1	1.1	
23	t	Sun rise 8 15		5	22	winds.	13	33	0	♌ 6	2.3	
24	w	Sun set 3 46		6	28	△♄ ☿	14	35	12	9	3.2	
25	t	Christm. day.		7	32	A settled, clear,	15	37	24	9	4.0	
26	f	St. Stephen.		8	39	and pleasant	16	39	6	♍ 9	4.6	
27	s	St. John.		9	47	☽ Apogæon.	17	41	18	8	5.1	
28	☉	H. Innocents.		10	51	weather now,	18	43	0	♎ 7	5.3	
29	m	Sun rise 8 11		11	57	and continues	19	45	12	6	5.2	
30	t	Sun set 3 50		Morn.		so to the end of	20	47	24	6	5.0	
31	w	Silvester.		1	29	☍☉♂ the year.	21	49	6	♏ 9	4.5	

The Moon is with
- Venus 4 day at 1 afternoon.
- Mercury 8 day at noon.
- Jupiter 21 day at noon.
- Mars 24 day at 6 in the morn.
- Saturn 24 day at 2 in the morn.

Observations.

Days	Saturn Rises	Saturn Sou.	Jupiter Rises	Jupiter Sou.	Mars Rises	Mars Sou.	Ven. Rises
1	7a50	3m19	5 a 6	1m13	7a11	2m58	4m19
11	7 6	2 33	Sets	0 23	6 20	2 7	4 44
21	6 16	1 45	7m48	11 a32	5 16	1 9	5 7

The Sun Eclipsed invisible.

Mandibula south at 9 at night. Alt. 40°.

Shortest Day 7 h. 24 m. Days decr. 9 h. 12 m.

The Planets call a Council, most appear,
In Opposition they conclude the Year.
Mars *retrograde, again enters the* Crab,
Bids Holland *and* Prussia *guard against a Stab.*
Could Mortals learn to limit their Desires,
Little Supplies what Nature's Want requires:
Content affords an inexhausted Store,
And void of that, a Monarch's Wealth is poor.

January 1741, New Stile. The Moon Eclipsed.

Day 7 h. 30 m. long, increased 6 min.

Sirius south 30 m. after 11 at night.

Aldebaran south at 9 at night.

Latitude of	♄	♃	♂	♀	☿
1	0 N. 5	0 S. 1	3 N. 1	2 N. 4	0 S. 8
Days 11	0 5	0 1	3 6	2 3	2 N. 2
21	0 6	0 1	4 0	2 1	3 0

A TABLE of the Rising, Southing, and Setting o
the *Pleiades*, or Seven Stars, for every Fifth D
in the Year, of excellent Use to find the Hour
the Night.

Months & Days.	Rise. H.	Rise. M.	South. H.	South. M.	Sets. H.	Sets. M.
Jan. 1	11	M. 39	7	A. 56	4	M. 13
6	11	17	7	34	3	51
11	10	56	7	13	3	30
16	10	35	6	52	3	9
21	10	15	6	32	2	49
26	9	55	6	12	2	29
Feb. 1	9	31	5	48	2	5
6	9	12	5	29	1	46
11	8	52	5	9	1	26
16	8	34	4	51	1	8
21	8	15	4	32	12	A. 49
26	7	56	4	13	12	30
Mar. 1	7	45	4	2	12	19
6	7	27	3	44	12	1
11	7	7	3	24	11	41
16	6	49	3	6	11	23
21	6	31	2	48	11	5
26	6	13	2	30	10	47
Apr. 1	5	51	2	8	0	25
6	5	33	1	50	0	7
11	5	14	1	31	9	48
16	4	55	1	12	9	29
21	4	37	0	54	9	11
26	4	17	0	34	8	51
May 1	3	58	0	15	8	32
6	3	38	11	M. 55	8	12
11	3	18	11	35	7	52
16	2	58	11	15	7	32
21	2	38	10	55	7	12
26	2	18	10	35	6	52
June 1	1	54	10	11	6	28
6	1	32	9	49	6	6
11	1	12	9	29	5	46
16	12	A. 51	9	8	5	25
21	12	30	8	47	5	4
26	12	1	8	27	4	44

Months & Days.	Rise. H.	Rise. M.	South. H.	South. M.	Sets. H.	Sets. M.
Jul. 1	11	A. 49	8	M. 6	4	A.
6	11	29	7	46	4	
11	11	9	7	26	3	
16	10	49	7	6	3	
21	10	30	6	47	3	
26	10	10	6	27	2	
Au. 1	9	48	6	5	2	
6	9	29	5	46	2	
11	9	1	5	27	1	
16	8	52	5	9	1	
21	8	34	4	51	1	
26	8	16	4	33	0	
Sep. 1	7	54	4	11	0	
6	7	36	3	53		
11	7	18	3	35	11	M.
16	6	58	3	16	11	
21	6	40	2	57	11	
26	6	22	2	39	10	
Oct. 1	6	4	2	21	10	
6	5	45	2	2	10	
11	5	26	1	43	10	
16	5	7	1	24	9	
21	4	48	1	5	9	
26	4	28	0	45	9	
Nov. 1	4	4	0	21	8	
6	3	43	0	A. 0	8	
11	3	23	11	40	7	
16	3	1	11	18	7	
21	2	40	10	57	7	
26	2	18	10	35	6	
Dec. 1	1	56	10	13	6	
6	1	34	9	51	6	
11	1	12	9	29	5	
16	0	M. 50	9	7	5	
21	0	28	8	45	5	
26	0	6	8	23	4	

WING.

A

ROGNOSTICATION,

For the Year of our

LORD GOD, 1740.

Explanation of the Characters made uſe of in this Almanack.

The Seven Planets and Five Aſpects.		The Twelve Signs.	
♄	Saturn	♈	Aries
♃	Jupiter	♉	Taurus
♂	Mars	♊	Gemini
☉	The Sun	♋	Cancer
♀	Venus	♌	Leo
☿	Mercury	♍	Virgo
☾	The Moon	♎	Libra
Aſpects. ☌	Conjunction	♏	Scorpio
✶	Sextile	♐	Sagittary
□	Square	♑	Capricorn
△	Trine	♒	Aquarius
☍	Oppoſition	♓	Piſces

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A Compendious Chronology of Memora Things ſince the Creation to this pre Year.

A.P.J.	*before Chriſt.*	
710	4004	The Creation of the World
1766	2948	*Noah* Born
2366	2348	*Noah*'s Flood began
2481	2233	The *Babylonian* Monarchy eſtabliſhed
2718	1996	*Abraham* born
2986	1728	*Joſeph* ſold into *Egypt*
3143	1571	*Moſes* born
3223	1491	The *Iſraelites* Departure out of *Egypt*
3530	1184	*Troy* taken and deſtroy'd by the *Greeks*
3710	1004	*Solomon*'s Temple built and dedicated
4126	588	*Jeruſalem* and the Temple deſtroy'd
4176	538	*Daniel* delivered from the Den of Lions
4198	516	The Temple of *Jeruſalem* rebuilt
4391	323	The Death of *Alexander the Great*
4710	4	The true Year of *Chriſt*'s Birth
4714	0	The vulgar Year of *Chriſt*'s Birth

A.D.	
33	The Paſſion and Reſurrection of *Jeſus Chriſt*
70	*Jeruſalem* and the Temple deſtroyed by *Titus*
100	St. *John*, the laſt of the Apoſtles, dies, *Dec.* 20.
313	Chriſtianity Triumphs under *Conſtantine*
476	*Auguſtulus* the laſt *Roman* Emperor depoſed
606	The wicked *Phocas* makes Pope *Boniface* Head of the Church
608	*Mahomet* broaches his Impoſture at *Mecca*
872	*Italy* and *Rome* plundered by the *Saracens*
1012	*Swain* King of *Denmark* conquers *England*
1066	*William* Duke of *Normandy* conquers *England*
1110	Arts and Sciences taught in *Cambridge*
1119	The firſt War between the *French* and *Engliſh*
1300	The Mariners Compaſs invented
1330	The *Canaries* diſcovered by an *Engliſh* Ship

	Years since.
Gunpowder and the uſe of Guns firſt found out	360
Conſtantinople taken from the *Chriſtians*	287
The *Perſians* conquer'd by *Tamerlane*	277
Rome plunder'd by the Duke of *Bourbon*	240
Martin Luther firſt diſputed againſt Popery	223
England ſeparated from the Church of *Rome*	204
The *Spaniſh Armado* defeated by the *Engliſh*	152
Q. *Eliz.* dies, *March* 24, and K. *James* I. began	137
Died of the Plague in *Lond.* in 2 Years 68,596	136
Gunpowder Treaſon, *Nov.* 5.	135
The New River Water brought to *London*	127
The excellent Sir *Walter Ra'eigh* beheaded	122
K. *James* I. died. K. *Charles* I. began, *Mar.* 27.	115
35417 Perſons died of the Plague in *London*	115
The cruel *Iriſh* Maſſacre began, *October* 23.	99
Burleigh-houſe ſtorm'd by *Cromwel*, *July* 24.	97
K. *Charles* I. barbarouſly murdered, *Jan.* 30.	91
King *Charles* II. reſtored, *May* 29.	80
68586 Perſons died of the Plague in *London*	75
London burnt, and a great Sea-Fight with the *Dutch*	74
War declared againſt the *Dutch*, *March* 17.	68
A great Snow for 11 Days together	66
The Town of *Northampton* burnt, *Sept.* 3.	65
A great and ſplendid Comet appeared	60
The great Froſt that held 13 Weeks	56
K. *Cha.* II. died, *Feb.* 6. and K. *James* II. began	55
The Duke of *Monmouth* beheaded, *July* 15.	55
Seven Biſhops ſent to the *Tower*, *June* 8.	52
King *James* II. abdicated, *December* 12.	52
K. *William* and Q. *Mary* crown'd, *April* 11.	51
The *Engliſh* Fleet beat the *French* Fleet to ſome purpoſe	48
K. *William* died, *March* 8. and Q. *Ann* began	38
Q. *Ann* proclaimed War againſt *France*, *May* 4.	38
A great and terrible Wind, *Nov.* 26, and 27.	37
Gibraltar taken by the *Engliſh*	36
England and *Scotland* united, *May* 1.	33

A.D.	
1710	Many Tumults, and great Diſturbances in *Engl.*
1714	Q. *Ann* died, *Aug.* 1. and K. *George* I. began
1715	A famous Total Eclipſe of the ☉ in *England*, *April* 22.
1715	A Rebellion in *Scotl.* and *Lancaſhire* ſuppreſs'd
1716	A great Froſt in the Beginning of this Year
1719	A ſurprizing Meteor ſeen, *March* 19, at 8 at Night
1719	Mr. *Flamſtead*, a celebrated Aſtronomer, died *December* 31.
1727	K. *George* I. died, *June* 11. and K. *George* II. began
1733	*France* and *Spain* declare War againſt the Emperor
1734	The Prince and Princeſs of *Orange* married, *March* 14.
1736	The Prince and Princeſs of *Wales* married, *Ap.* 27

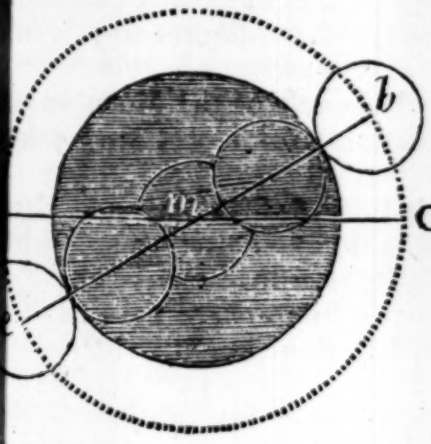
An Account of the ECLIPSES, and o *Aſtronomical Appearances*, in the Year 174

ASTRONOMY for its Excellency juſtly challen the higheſt place of all humane Sciences; it li the Heart of Man above the Heavens by inviſible L and immortal Beams, meeteth with the Reflection of L incomprehenſible, and procureth Delight and Satisfa unſpeakable.

Sacred Urania! *whoſe Beauty fir'd,*
My Soul is raviſh'd, and my Brain inſpir'd;
Give me the ways of wand'ring Stars to know;
The Depth of Heaven above, and Earth below;
Why flowing Tides prevail upon the Main,
And in what dark Receſs they ſhrink again?

hat ſhakes the ſolid Earth? What cauſe delays
Summer Nights, and ſhortens Winter Days?
ach me the various Labours of the Moon,
nd whence proceed th' Eclipſes of the Sun?
O teach me how thy wond'rous works to trace,
In every part of univerſal Space!

his noble Science may well be called the Miſtreſs of
nanity, as bringing under its Enquiries more Secrets in
ure, and objects of an elevated underſtanding, than any
ll the other Sciences. This is what induced the happy
ius's of this latter Age to apply themſelves to the Study
eof; and which they have done with ſuch Succeſs,
the Vulgar are amazed at their powerful Art, and are
o impute to the Revelation of Spirits thoſe Works of
nſtry and Thought which they underſtand not.
he Luminarian Eclipſes which happen this Year are in
ber ſix, *viz.* three of the Sun, and three of the Moon
thoſe of the Sun will not be viſible in theſe parts of
World, and only two of thoſe of the Moon, according
he following Calculations.
he firſt Eclipſe is on *Wedneſday* the 2d day of *January*,
t 10 at Night. When the Moon will be totally emer-
in the Earth's Shadow, and continue ſo for more than
lour and half; the more exact Times are as follows,



Apparent Time of the	D.	H.	M.
Begin. *Jan.*	2	8	35
Beg. of total Darkneſs		9	3
Middle		10	28
End of total Darkneſs.		11	18
End of the Ecl.	12	22	

Digits eclipſed, 21° 15′
H O The Horizon
b, *m*, *e*, the ☽'s Center at the Begin. middle and End.

The Continuance of total Darkneſs in this Eclipſe is one Hour

Hour 39 Minutes, but the time of Continuance of the w
Eclipſe is 3 Hours 47 Minutes. It is a great Eclipſe,
very near central, and at the middle thereof the Ecli
Luminary is vertical to the Inhabitants of the Sout
Parts of *Africa*, lying to the Weſt of *Egypt*. It will
viſible Eclipſe to all *Europe*, *Africa*, and *Aſia*, as far a
Empire of *China*, and to a great Part of *North* and *S*
America.

The Numbers from which the Times and Quantit
this famous Eclipſe is deduced, are theſe following.

		d.	h.	′	″
Eq. Time Orb. ☌		2	10	38	0
Appar. Time		2	10	28	38
Place Ear. & ☽	♋	23	10	45	
Anom.	Sun	6	14	17	0
	Moon	11	20	48	0
Excentricity		6560			
Argument of Lat.		0	0	14	0

		′
Hor. Mot.	Sun	2
	Moon	30
Hor. Par.	Sun	0
	Moon	54
Semidiam.	Sun	16
	Moon	14
Lat. ☽ at mid. N. A.		1

The Altitude of the Nonageſima Degree 62° 17′.
Parallactick Angle 55° 42′.

The ſecond Eclipſe is of the Sun on *Thurſday* the
Day of *January*, at 9 Minutes after 8 at Night, there
inviſible.

The third is another inviſible Eclipſe of the Sun on
day the 13th Day of *June*, at 15 Minutes after 2 in
Morning.

The fourth is an inviſible Eclipſe of the Moon on *Sa*
day the 28th Day of *June*, at 16 Minutes after 9 in
Morning.

The fifth is an inviſible Eclipſe of the Sun on *Sunday*
7th Day of *December*, at 32 Minutes after 10 at Night

The ſixth and laſt Eclipſe, is a ſmall one of the Mo
and viſible if the Air be clear, on *Sunday* the 21ſt Da
December near Midnight, but more exactly as follows
apparent Time.

Beg

	d.	h.	m.
n. *Dec.*	21	10	29
dle		11	50
of the Ecl.		13	10
uration		2	41
its eclipſed		6°	36′

H O, The Horizon
, *e*, is the place of
)'s Center in her
n Orbit, and at the
inning, Middle and
of the Eclipſe.

The Number belonging to this Eclipſe.

		d.	h.	′	″
Time Orb.	☌	21	11	58	0
arent Time		21	11	53	30
e Ear. and)	☋	11	47	0	
om. Sun		6	3	14	0
om. Moon		10	3	26	0
entricity		48	15		
ument Lat.		0	7	10	0

		′	″
Hor. Mot.	Sun	2	33
	Moon	32	10
Hor. Par.	Sun	0	10
	Moon	56	30
Semidiam.	Sun	16	23
	Moon	15	20
Lat.) at Mid. N. A.		38	41

The Altitude of the Nonageſima Degree is 61° 41′ the allactick Angle 31° 39′.

Eclipſes of the Moon do not, like thoſe of the Sun, w different Appearances at the ſame time in different ts of the Earth, but are or ought to be exactly the ſame in ntity and duration to all places where viſible. If any ſmall ference is obſerved (as ſometimes there is) in the De- e of Obſcurity or Colour of a Lunar Eclipſe at the ſame e when viewed from different parts of the Earth, it y be attributed to Vapours unequally diffuſed in the At- ſphere, which like Glaſſes unequally thick and diverſly d will make the ſame Object appear different, if view- from the ſame Place.

Some (of the many) other Aſtronomical Appearances ich this Year produceth, and which will afford pleaſur- e Amuſements and Satisfaction to the curious, are theſe lowing.

1. On *Wednesday* the 2d Day of *January* at 3 Min
after Sun-set, Saturn and the Moon rises in Conjun
with each other, at which time the ☽'s true Lat. is 13
South, her Parallax of Lat. 48′ 35″, visible Lat. 61′
Lat. of ♄ 2′ 47″ South. Dist. of Centers of the ☽ a
58′ 48″. The ☽'s Semid. 14′ 48″: Hence Saturn
appear 44 min. above the Moon's upper Limb.

2. On the 30th Day of *January* about 20 min. aft
in the Afternoon, Mars and Mercury are conjoined in
25′ of ♑. Why I take notice of this Conjunction, i
eause ☿ is then nearly at his greatest matutine Elong
from the Sun, and may be seen on the preceding and
lowing Mornings to rise about a quarter of an Hour
6, very near to Mars; ☿ being a little more than a S
diameter of the Moon above ♂.

3. About the 6th and 7th Days of *April* in the Eve
after Sun-set, the two glorious Planets Jupiter and Ve
may be seen in the West, Venus being elevated above
piter 2 degrees, and about 5 degrees below Jupiter ma
seen the famous fixed Star *Aldebaran*.

4. On *Sunday* the 20th Day of *April*, at 57 min.
6 in the Evening, the Moon's upper Limb makes a
near Appulse to the Planet Saturn, their Distance at
time being no more than 6 minutes 30 Seconds.
Conjunction of the ☽ and ♄, notwithstanding th
happens about half an Hour before Sun-set, may be
by the help of a good Telescope, and presently after S
set, they may be seen by the naked Eye nearly toget
till the time of their setting, which is about half an H
after Midnight: a beautiful Appearance it will be and wo
observing.

5. On *Monday* the 21st Day of *April*, Mercury pas
over the upper part of the Sun's Disk; by the Tables wh
I calculate from, he does not enter on the Sun's east
Limb, till about 20 Minutes after eight at Night. So
sequently no part of the Transit can be visible in *Engl*
if those Tables are right: Other Tables make the Beg
ning of this mercurial Eclipse some Hours later than m
do. But *Manfredius*, from the Tables of the celebra
M. *Cassini*, makes it a diurnal or visible Transit in these p
of the World, on which Account our Observers will th

orth their while to apply their Teleſcopes to the Sun
me; for one ſuch Obſervation alone, is a ſufficient
mph for an Aſtronomer.

Friday the 16th day of *May*, at 45 min. after 9 at Night,
n and Venus may be ſeen in Conjunction in the Weſt,
° 18′ of ♉, but Venus will be elevated above Saturn
′, the Moon being then nearly upon the Meridian.

On *Thurſday* the 12th Day of *June*, Jupiter and Mer-
may be ſeen to riſe about half an Hour before the Sun,
nearly together in 22° 3′ of ♊, Mercury being 2i
above Jupiter.

On *Monday* the 23d Day of *June*, after Sun-ſet, bright
us may be ſeen in the Weſt, about a Semidiameter of
Moon diſtant from the famous fixed Star *Cor Leonis* to-
ds the right Hand.

The 3d Day of *September*, about 20 min. after 7 in
Morning, the ☽'s upper Limb approaches within about
min. of the Planet ♃, the Appulſe happens near to the
idian, and will not be difficult to obſerve with good
eſcopes.

o. On the 11th and 12th Days of *September*, Jupiter
Mars may be ſeen in the Weſt, near to each other, Mars
g the higher Planet, they then ſet together about half
Hour after 10 at Night.

1. On *Tueſday* the 28th Day of *October* about 5 in the
rning, the Moon will eclipſe the Planet Jupiter. I am
vented giving my Reader the exact Times, Quantity,
ration and Poſition thereof in this Place, by a Multi-
city of buſineſs of another Nature. It will be a very
able Occultation and well worth the Attendance of the
ious Obſervers of celeſtial Phænomena.

2. I have hitherto omitted the Eclipſes or Occultations
Jupiter's Planets, becauſe of the Difficulty in obſerving
m by the Teleſcopes in common uſe; for be your Tele-
pe a refracting one, it muſt be of ſuch a length as can-
be eaſily managed in all Places. If a reflecting one,
Inconveniency is ſtill greater, becauſe of the very ſmall
ea it takes in; ſo that it requires conſiderable Time and
ouble to catch the Object required, and ſome Difficulty
retain it when found; but now that the learned Mr.
iſton has improved the reflecting Teleſcope ſo far as to
take

take off, in a great measure, all the common Objectio
gainst its use; I have from the same Gentleman's Boo
the Longitude discovered, extracted so many of the
mersions and Immersions of Jupiter's first Satellite, as
I think, be visible in *England*. Those Gentlemen that
quire a more large and exact account of all the Eclip
Occultations, Immersions, Emersions, mutual Conju
ons, and Transits of all Jupiter's 4 Planets for this pre
Year, may have Recourse to the said Book, where
will meet with all that can be desired in that affair.
gainst the Times of the Emersions and Immersions be
I have annexed the time that Jupiter will be South on
Day, that the Observer may not be at a loss to k
where to look for Jupiter at any of those times.

Emersions.				♃ South.		
				January.		
D.	H.	M.	S.	D.	H.	M.
5	11	7	10	5	7	45 N.
7	5	35	31	7	7	37
12	13	0	40	12	7	16
14	7	29	3	14	7	8
19	14	54	44	19	6	47
21	9	23	19	21	6	40
28	11	18	32	28	6	13
30	5	47	28	30	6	6
				February.		
4	13	14	10	4	5	48
6	7	43	9	6	5	40
13	9	39	36	13	5	14
20	11	36	29	20	4	56
22	6	5	44	22	4	49
29	8	3	6	29	4	25

Emersions.				♃ South		
				March.		
D.	H.	M.	S.	D.	H.	M
7	10	0	47	7	4	
16	6	27	38	16	3	
23	8	25	27	23	3	
30	10	22	50	30	2	
				April.		
8	6	49	6	8	2	
15	8	45	37	15	2	
				May.		
1	7	6	30	1	1	
99	0	59		8	1	

After this Jupiter wil
so near the Sun as not
afford any more visible
mersions. On the 29th
he is in Conjunction with the Sun; after which
Immersions only can be observed, and the first visible
is on the 29th Day of *June*, at 31′ 5″ after 2 in the Mo
ing, soon after ♃'s rising.

Immersi

Immerſions.			♃ South.		
			July.		
H.	M.	S.	D.	H.	M.
4	40	43	21	9	13M.
6	35	20	28	8	50
			Auguſt.		
2	59	5	6	8	24
4	50	26	13	8	2
6	54	32	20	7	45
1	19	14	22	7	37
3	15	5	29	7	19
			September.		
5	10	58	5	6	56
7	7	10	12	6	33
11	36	7	14	6	28
13	31	57	21	6	9
5	27	26	28	5	40
9	56	14	30	5	32
			October.		
17	22	31	5	5	22
1	51	12	7	5	14
13	45	50	14	4	48
5	39	45	21	4	21
10	8	6	23	4	13
17	33	5	28	3	54
12	1	21	30	3	46

Immerſions.				♃ South.		
				November.		
D.	H.	M.	S.	D.	H.	M.
4	19	25	46	5	3	19M.
6	13	53	52	7	3	9
8	8	21	58	8	3	4
13	15	45	53	14	2	39
15	10	13	47	15	2	34
20	17	37	22	21	2	10
22	12	5	27	23	2	1
24	6	33	32	24	1	52
27	19	28	26	28	1	32
29	13	56	17	30	1	22
				December.		
1	8	24	6	1	1	17
6	15	47	2	6	12	47 N.
8	10	14	41	8	12	37
10	4	42	20	10	12	27
13	17	37	42	13	12	12
15	12	5	28	15	12	2

♃ in ☌ to the Sun.

Emerſions.				♃ South.		
15	14	19	38	15	12	2
17	8	47	25	17	11	52
22	16	10	52	22	11	27
24	10	38	45	24	11	17
26	5	6	38	26	11	7

3. For the diſcovering of the Longitude, Mr. *Whiſton* poſes the Occultations of Jupiter's Planets, by, or over Body of Jupiter, as alſo the mutual Tranſits of thoſe ers by or over each other, to be as proper Phænomenon that Purpoſe, if not more ſo, than their Immerſions in- or Emerſions out of Jupiter's Shadow, which alone been hitherto attended to: And the Facility of obſerv- all ſuch like Appearances is ſuch as any Perſon may put practice either by Land or Sea, without any other In- ments than a Teleſcope conſtructed after Mr. *Whiſton's* ner, a Clock or Watch that will meaſure equal Time, a good Meridian Line. And becauſe this worthy Au- has not given any Directions how to find a Meridian Line,

Line, which is abſolutely neceſſary in this affair, and i
other Caſes where true time is required; I have there
propoſed the following ſhort Catalogue of fixed Stars t
made uſe of for that purpoſe. The Stars are marſhalled
Pairs ſuch as have (nearly) the ſame right Aſcenſion. T
uſe is no more than this, Obſerve by a Plumb-Line, or ot
wiſe, when any Pair of them come to a Perpendicular w
the Horizon, then are thoſe Stars, your Line, and y
Eye, exactly in the Meridian. I have ſo choſe the Sta
this Catalogue, that you may have a Pair in the Meridia
a convenient Time of the Night, at any Seaſon of
Year, but for want of Room I have taken ſuch Stars o
as will be of uſe in and about the Latitude of *England*.

A Short Catalogue *of Stars rectified to the Year* 1740.

Mag.	Stars Names.	R. Aſcen h.	′	″	Declin. °	′		Sou. 9 at n
3	Nor. ✱ in the Whale's Tail.	0	6	10	10	9	S.	Octo
6	Firſt in the line of the fiſhes.	0	7	26	6	46	N.	
5	Mid. ✱ in Andr. R. Arm.	0	8	9	36	24	N.	31
4	Lower ✱ in Andr. L. Shoul.	0	24	52	27	58	N.	Nove
2	South Star, Whale's Tail.	0	30	57	19	19	S	6.
2	So. Girdle of And. Mirach.	0	55	4	34	13	N	Nove
3	Weſt of the 2 bright ✱'s Wh	0	55	30	11	44	S.	12.
2	So. Foot of Andromeda.	1	48	10	41	4	N.	Nove
2	The Knot in the Line of ♓.	1	48	41	1	29	N.	24.
2	Whale's So. Jaw, Mandibula	2	48	41	3	2	N	Dece
3	Meduſa's Head, Algol.	2	51	14	39	55	N.	9.
2	The Nor. Horn of Taurus.	5	9	49	28	22	N.	Janua
2	Left Shoulder of Orion.	5	11	12	6	4	N.	9.
1	Right Shoulder of Orion.	5	41	8	7	20	N.	Janua
3	Eaſt of the 2 br. ✱'s Dove.	5	41	51	35	53	S.	17.
2	Auriga's Right Shoulder.	5	41	26	44	55	N	
2	Great Dog's R fore Foot.	6	11	18	17	50	S	Janua
2	Lucida Pedes in ♊.	6	22	38	16	35	N	27.
1	Sirius.	6	34	12	16	22	S.	
1	The little Dog, Procyon.	7	25	40	5	53	N	Feb
2	Head of 2d Twin, Pollux.	7	29	23	28	38	N	13.

Stars Names.	R. Aſcen. h. ′ ″	Declin. o ′	Sou. at 9 at nig.
the gr. Bear's tide, a Poin.	10 45 57	57 50 N.	April
reat Bear's back, Dubhe.	10 47 20	63 9 N.	8.
pica Ariſta, Virgin's Spike.	13 11 29	9 47 S	May
id. * gr. Bear's Tail.	13 11 35	56 18 N	15.
he North Ballance.	15 3 4	8 24 S	June
or. Crown, a bright *,	15 3 43	27 36 N.	11.
Herc. R. Arm, laſt but 1.	16 10 23	19 59 N	June
he Scorp. Heart, Antares	16 13 32	25 50 S.	28.
ercules (A)	18 2 0	31 22 N	July
agittarius (δ)	18 4 12	29 54 S.	25.
he Pole Star.	0 40 38	87 55 N	May 9
irſt * G. B. Tail, Alioth.	12 42 37	57 33	and
or. Caroli	12 46 7	39 36	Nov. 9.

his Method of finding and adjuſting a Meridian Line by Stars, is without Diſpute the very beſt that can be ught on, or reduced to eaſy Practice; it may be uſed h almoſt the ſame Eaſe and Certainty by Sea as by Land, ot only finds the Meridian Line to the greateſt Nicety, at the ſame time, and by the ſame Obſervation, does find the exact Hour of the Night (the neceſſary Data ll other Aſtronomical Obſervations) and is the beſt Di- ory for taking of the Latitude. But I muſt proſecute Subject no farther at preſent.

bſervations upon the four Quarters of the Year, and upon the Influence of the Planets therein.

HE Spring Quarter begins (or the Sun enters *Aries*) on *Sunday* the 9th Day of *March*, at 55 min. after the Morning.

he Summer Quarter begins when the Sun enters the Cancer, *viz.* on *Tueſday* the 10th Day of *June*, at 6 he Morning.

The

Wing 1740.

The Autumnal Quarter begins on *Thurſday* the 11th of *September*, at 13 min. after 7 at Night.

The Winter Quarter begins on *Wedneſday* the 10th of *December*, at 41 Minutes after 10 in the Morning.

Methinks the Trumpet's threatning Sound
Diſturbs our Reſt with fierce Alarms,
And from the ſhining Arms
A dreadful Lightning ſpreads around;
It darts pale Fear through ev'ry Eye,
The Horſes ſtart and trembling Riders fly.

Moſt mighty Slander (one ſaid well)
What is't thou canſt not do!
Canſt change the Place of Heaven for Hell,
And make a Friend a Foe.

I have for ſome Years been inſulted and uſed with the utmoſt ill Manners by one *Charles Leadbetter*, a moſt learned Aſtronomer (if you will credit his own Words) who values himſelf for having ſolidly refuted the *Tychonic* Syſtem, by noting the Abſurdity of making the Orbits of ♂ interſect the Sun's. One who very judiciouſly inſtructs his Readers how to conſtruct a ſolar Eclipſe from the Nocturnal Path of a Vertex, *&c. &c.* This great Man has lately been very cenſorious upon an Advertiſement of the *L. E. P.* which he ſuppoſes I wrote, but I cannot claim the Honour of it; he knows it was done by a much greater Hand. But it ſeems he has quite forgot another Advertiſement, printed ſoon after in the *L. D. P.* by an ingenious and eminent Aſtronomer then wholly unknown to him, an Advertiſement which I will venture to ſay Mr. *Leadbetter* will never make a reply to, ſo fond as he is of advertiſing his own Ignorance in the London Papers. The

Why ſo exact and nice, vain Charles, *ſay why,*
To find ſmall Moats within thy Brother's Eye,
When Beams within thy own thou can't eſpy?

mend, fond Charles, *firſt mend thy ſelf, and then,*
ſpare to laſh the Faults of other Men.
till that's done, be modeſt, don't complain
ther Men, whilſt thy own Faults remain,
Praiſe and Envy both will be in vain!

following Letter I received in *December* laſt, (ſoon publiſhing the Almanack for 1739.) from my good d Mr. *Inigo Jones* of the County of *Wilts*, who ſome ſince I had the Honour to read Lectures to, in Geo- and Architecture.

Mr. *Wing*,

My long Acquaintance with you, and the Reaſon I have that Value upon your Friendſhip which I do, occa- me to look with Indignation upon the uſage you have me Years been treated with by a noiſy Pretender to one *Charles Leadbetter* of *Cock Lane* near *Billingſgate*. are but few of his Books, annual or others, that I ſeen, but what contains ſome envious and ſilly reflec- upon you, or ſome other deſerving Perſon; but I that it is very evident, that his Inclination to defame from an impatience to ſee you inveſted with a repu- more happy than his own: Aſs-tronomer, C——r, Language which he frequently makes uſe of, cannot dice you in the Eſteem you hold amongſt Men of ment, but certainly ſhew their Author to be what all kind take him for. In an Almanack whoſe original or we all know is *inter mortuos*, I have for ſome Years ved, that moſt extravagant Compliments are paid to moſt ſagacious Aſtronomer Mr. *Charles Leadbetter*, my hy Friend the ingenious Mr. *C. L.* my moſt honoured ever loving Friend Mr. *C. L.* and abundance more ſuch me honorary Epithets does the now Writer thereof w upon *Charles Leadbetter*. Now, Sir, by your leave, ſign that Writer a great Mortification as an Alloy for great Vanity, by letting him know that it is no Secret writes thoſe moſt ingenious Almanacks: Can any upon Earth give ſo many nauſeous Applauſes to ſo little it, and ſo much ill nature, but the vain *Charles Lead-* himſelf?"

" If

" *It is a Maxim in the Schools,*
" *That Vanity's the Food of Fools:*"
Now if this Maxim ſhould be true,
What muſt the World, Charles, *think of you?*

I ſhall omit the reſt of my Friend's Letter (and ev
I have abridged) for that I would not diſturb M
Quiet, or give Cauſe to irritate his Choler; what I
done is as little as could be, to make known my c
Adverſary; whoſe Reproaches of Ignorance or In
tency, I had rather bear with Silence, than endeavo
extenuate by a like Retaliation, tho' a broad Opport
offer itſelf; I know an all-ſufficient Man is not to b
claimed by retorting his Scomma's, or a vain Man b
poſing his Weakneſs and Errors. Have ſome of my
culations been diſpatched with too great Haſte? I
plead, that Aſtronomy is a Science I am greatly deli
with, but cannot indulge my ſelf to ſpend ſo much
therein as my Inclinations require; the Practices of
veying, Architecture, &c. muſt command the greate
of my Time. But why muſt a ſmall caſual Error i
Calculations be ſo rudely attack'd? Are my Adverſaric
from even much greater Overſights? I do not think
Leadbetter will venture to ſay he is, as great a Value
ſets on his own ponderous Parts; what therefore ſhou
duce him to become my reiterated Adverſary, I n
know, or deſire to know.

But dear Urania! *let me crave,*
If Adverſaries I muſt have,
Let them be Men that's juſt and brave;
Let them be Men of ſome Pretence
To decent Language, common Senſe;
When ſuch my Adverſaries be,
They'll find a ſilent Friend in me.

Pickworth, Auguſt 7. 1739.

T. W

F I N I S.